

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052748.D
 Acq On : 10 Dec 2018 12:57
 Operator : MD\SY
 Sample : VN1210WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:50 PM

Quant Time: Dec 11 02:13:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	963732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1501950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1315891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	541126	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	409550	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	
50) Toluene-d8	10.09	98	1857158	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.40	95	640918	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146792	16.267	ug/l	99
3) Chloromethane	2.06	50	192554	16.166	ug/l	100
4) Vinyl Chloride	2.19	62	205510	16.796	ug/l	100
5) Bromomethane	2.58	94	116405	15.247	ug/l	98
6) Chloroethane	2.71	64	129475	17.469	ug/l	98
7) Trichlorofluoromethane	3.03	101	277460	18.460	ug/l	99
8) Diethyl Ether	3.41	74	109720	19.768	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	175697	18.734	ug/l	98
10) Methyl Iodide	3.96	142	195679	15.665	ug/l	98
11) Tert butyl alcohol	4.77	59	56519	107.589	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	166465	18.440	ug/l	98
13) Acrolein	3.61	56	13978	15.310	ug/l	98
14) Allyl chloride	4.33	41	290114	18.646	ug/l	99
15) Acrylonitrile	4.99	53	333991	100.438	ug/l	98
16) Acetone	3.82	43	244735	88.425	ug/l	99
17) Carbon Disulfide	4.06	76	435024	15.313	ug/l	99
18) Methyl Acetate	4.33	43	167740	21.128	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	493272	20.537	ug/l	100
20) Methylene Chloride	4.55	84	199074	18.380	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	178984	18.564	ug/l	96
22) Diisopropyl ether	5.95	45	631724	19.329	ug/l	99
23) Vinyl Acetate	5.90	43	1853067	91.031	ug/l	98
24) 1,1-Dichloroethane	5.85	63	355558	19.054	ug/l	99
25) 2-Butanone	6.83	43	381306	97.199	ug/l	98
26) 2,2-Dichloropropane	6.83	77	261633	20.256	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	215056	19.148	ug/l	99
28) Bromochloromethane	7.20	49	169583	19.897	ug/l	93
29) Tetrahydrofuran	7.21	42	249114	98.453	ug/l	99
30) Chloroform	7.37	83	350415	18.822	ug/l	98
31) Cyclohexane	7.66	56	315870	17.249	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	288322	19.546	ug/l	99
36) 1,1-Dichloropropene	7.79	75	256953	18.117	ug/l	98
37) Ethyl Acetate	6.93	43	165870	19.162	ug/l	97
38) Carbon Tetrachloride	7.78	117	247842	19.303	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	300795	17.448	ug/l	98
40) Benzene	8.04	78	806577	19.082	ug/l	99
41) Methacrylonitrile	7.17	41	89491	18.911	ug/l	92
42) 1,2-Dichloroethane	8.12	62	249126	19.465	ug/l	100
43) Isopropyl Acetate	8.16	43	311764	21.283	ug/l	98
44) Trichloroethene	8.84	130	218252	20.158	ug/l	100
45) 1,2-Dichloropropane	9.12	63	220452	19.617	ug/l	98
46) Dibromomethane	9.21	93	125734	20.211	ug/l	97
47) Bromodichloromethane	9.40	83	271030	20.038	ug/l	99
48) Methyl methacrylate	9.20	41	151739	19.866	ug/l	98
49) 1,4-Dioxane	9.20	88	33374	421.011	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	847429	103.108	ug/l	98
52) Toluene	10.16	92	492136	19.596	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	261641	20.108	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	310806	19.932	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	183560	20.779	ug/l	98
56) Ethyl methacrylate	10.43	69	230853	20.499	ug/l	98
57) 1,3-Dichloropropane	10.71	76	313124	20.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	656777	102.460	ug/l	98
59) 2-Hexanone	10.75	43	581918	105.494	ug/l	98
60) Dibromochloromethane	10.90	129	195742	20.401	ug/l	100
61) 1,2-Dibromoethane	11.01	107	178155	20.305	ug/l	99
64) Tetrachloroethene	10.63	164	231502	22.691	ug/l	98
65) Chlorobenzene	11.43	112	548935	20.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	194626	20.629	ug/l	99
67) Ethyl Benzene	11.51	91	937486	19.730	ug/l	100
68) m/p-Xylenes	11.62	106	710034	40.140	ug/l	99
69) o-Xylene	11.95	106	350428	20.400	ug/l	99
70) Styrene	11.96	104	564262	20.624	ug/l	99
71) Bromoform	12.13	173	129498	20.730	ug/l #	97
73) Isopropylbenzene	12.25	105	931076	19.507	ug/l	99
74) N-amyl acetate	12.07	43	261944	21.723	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	205889	18.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	183752m	19.587	ug/l	
77) Bromobenzene	12.53	156	236398	20.038	ug/l	98
78) n-propylbenzene	12.59	91	1059930	19.547	ug/l	99
79) 2-Chlorotoluene	12.68	91	632143	19.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	756258	19.867	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56135	19.983	ug/l	99
82) 4-Chlorotoluene	12.77	91	635995	19.543	ug/l	99
83) tert-Butylbenzene	12.99	119	676404	19.931	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	760378	19.932	ug/l	100
85) sec-Butylbenzene	13.17	105	904045	19.558	ug/l	99
86) p-Isopropyltoluene	13.29	119	780487	19.825	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413652	20.045	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	413627	20.349	ug/l	99
89) n-Butylbenzene	13.62	91	648953	19.820	ug/l	100
90) Hexachloroethane	13.88	117	127822	19.175	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	406299	20.607	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33233	21.401	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	228300	22.771	ug/l	99
94) Hexachlorobutadiene	15.01	225	125313	19.757	ug/l	98
95) Naphthalene	15.13	128	495707	23.587	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	214983	23.195	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

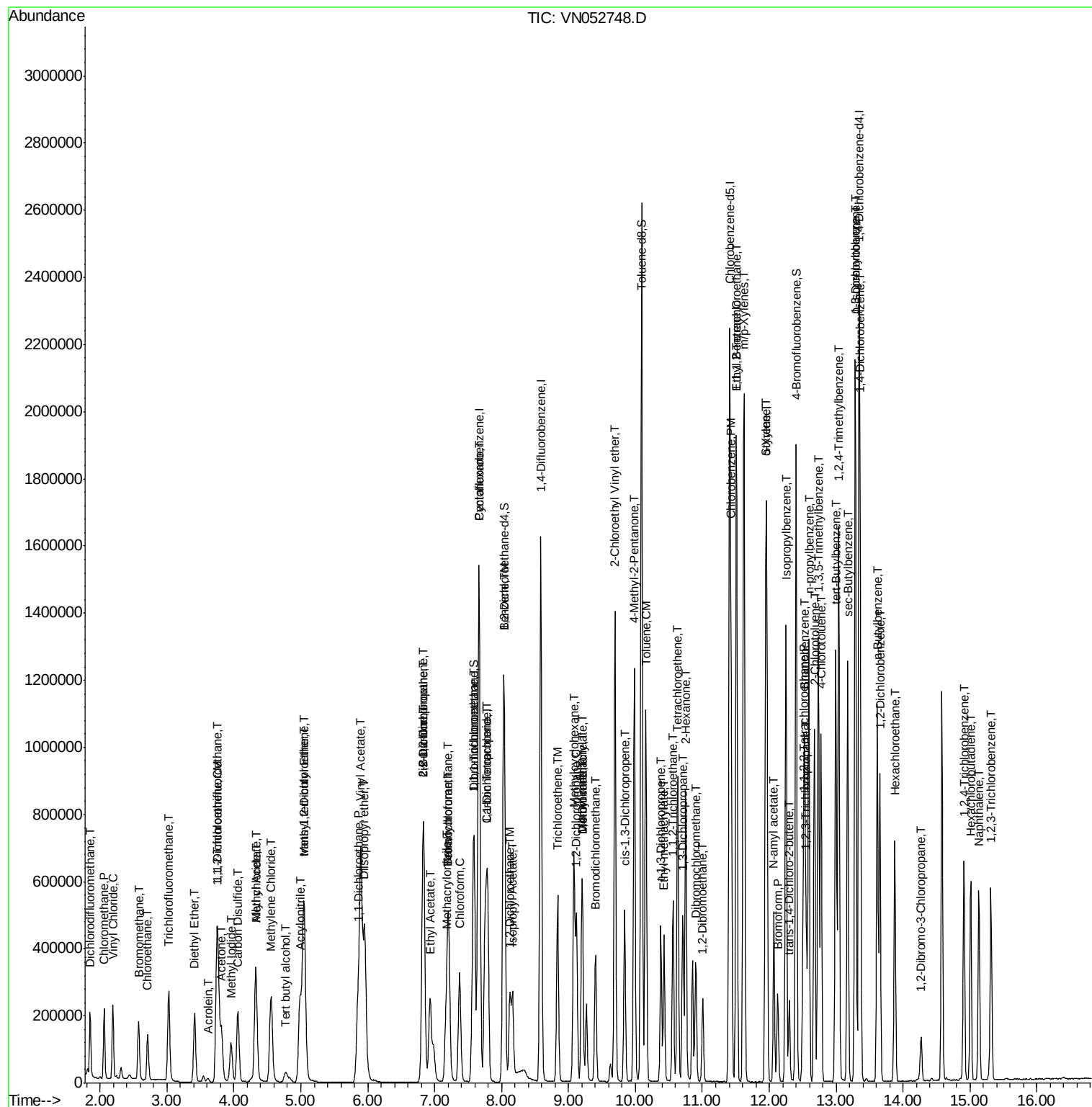
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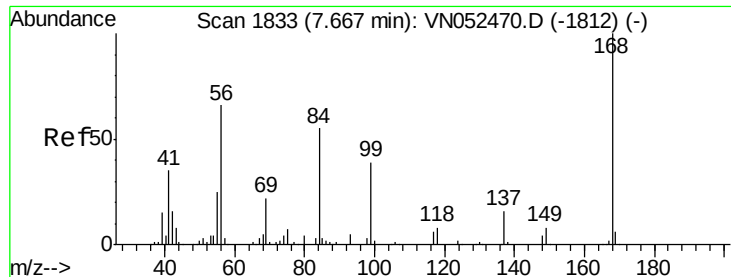
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion:168 Resp: 963732

Ion Ratio Lower Upper

168 100

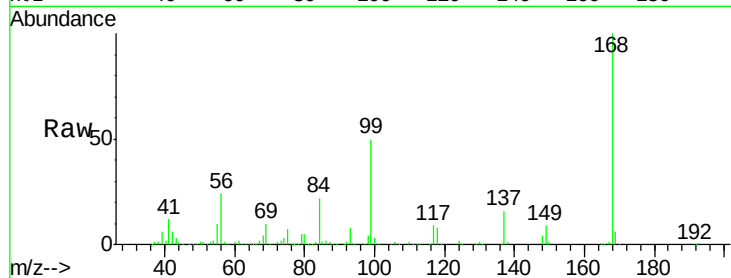
99 49.8 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

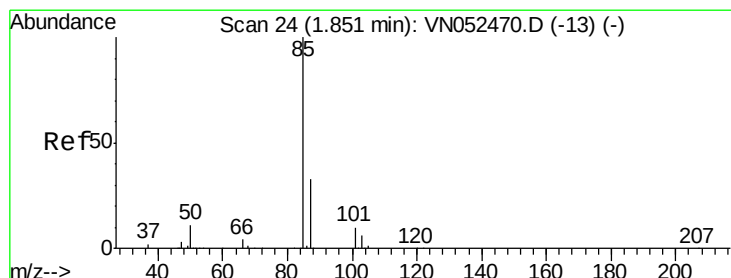
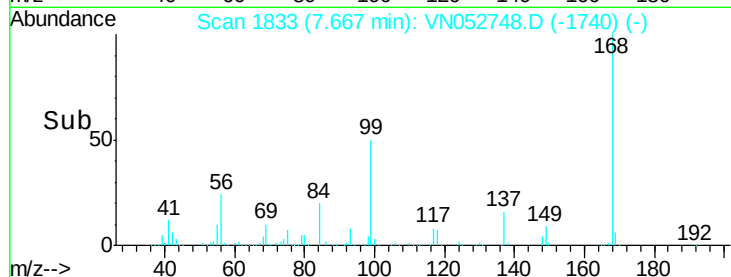
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.267 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052748.D

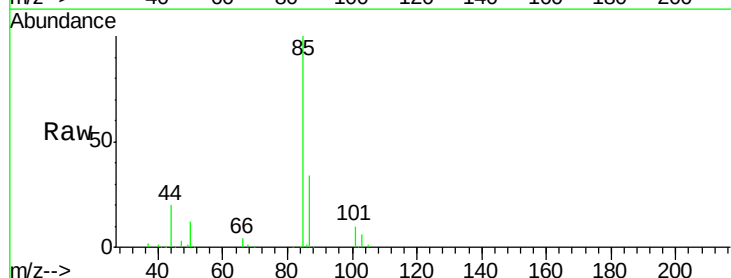
Acq: 10 Dec 2018 12:57

Tgt Ion: 85 Resp: 146792

Ion Ratio Lower Upper

85 100

87 33.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

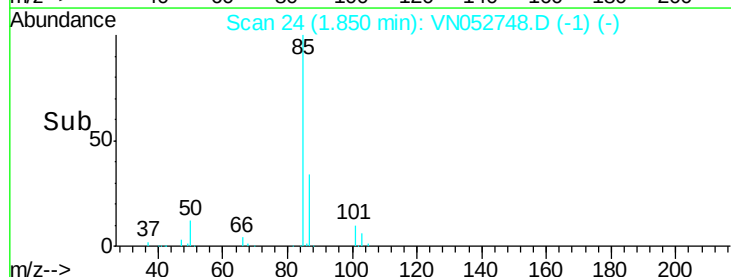
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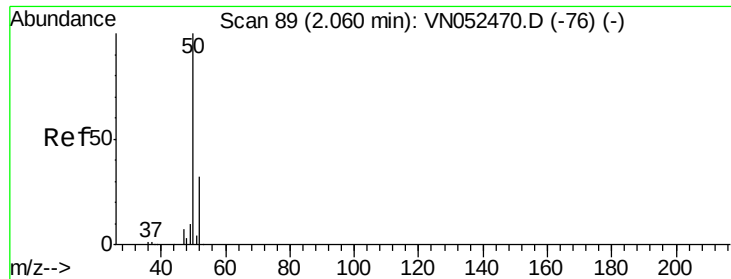
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.166 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion: 50 Resp: 192554

Ion Ratio Lower Upper

50 100

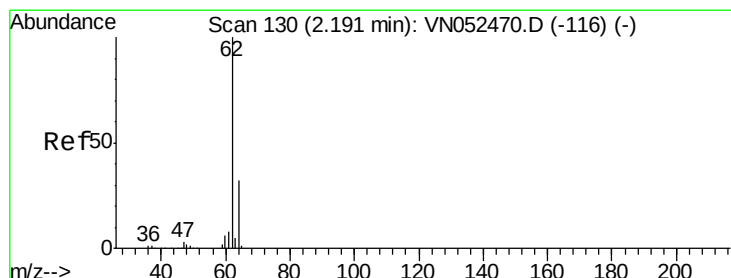
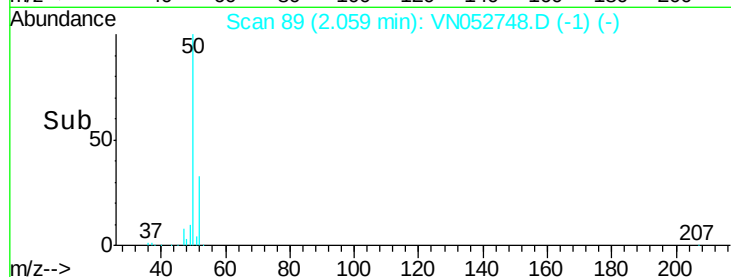
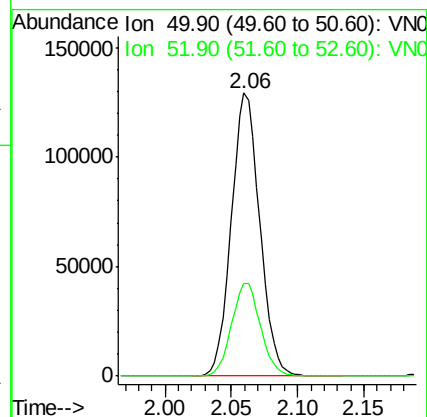
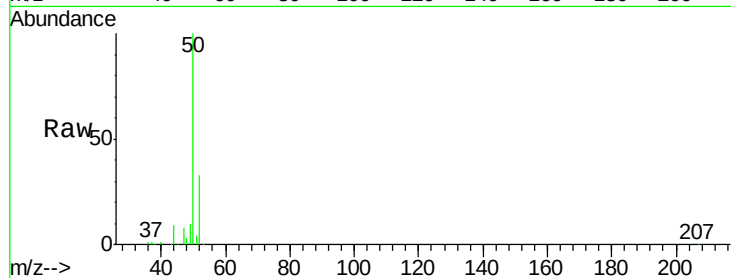
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.796 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052748.D

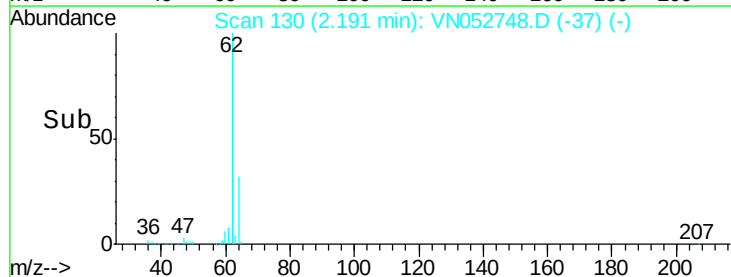
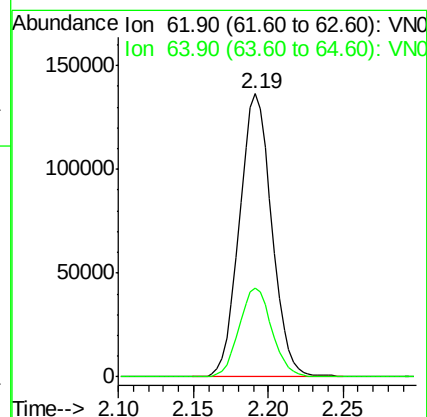
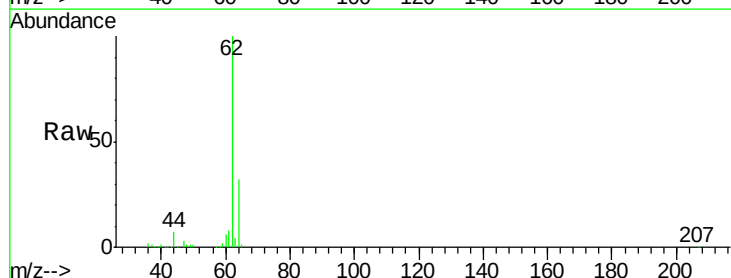
Acq: 10 Dec 2018 12:57

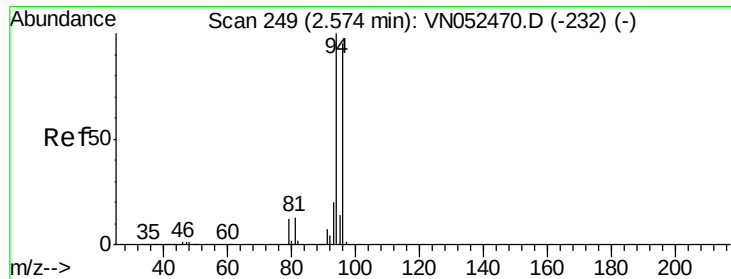
Tgt Ion: 62 Resp: 205510

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 15.247 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

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ClientSampleId :

VN1210WBS02

Tot Ion: 94 Resp: 116405

Ion Ratio Lower Upper

94 100

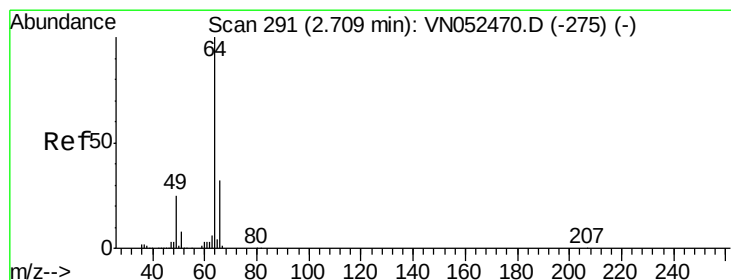
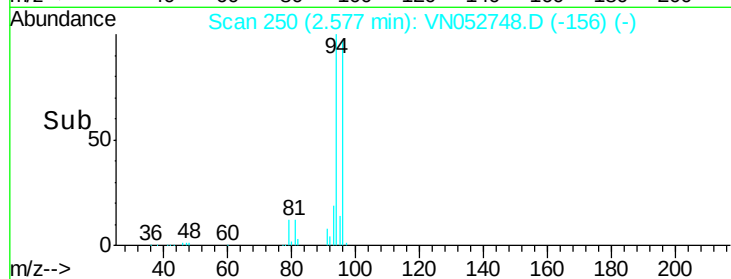
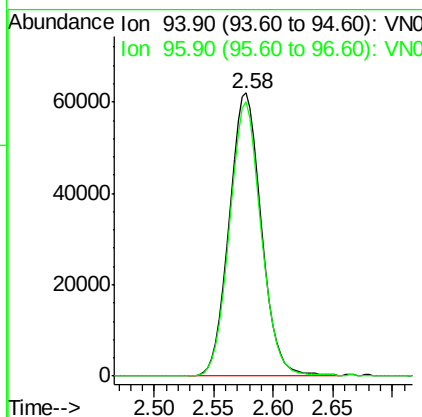
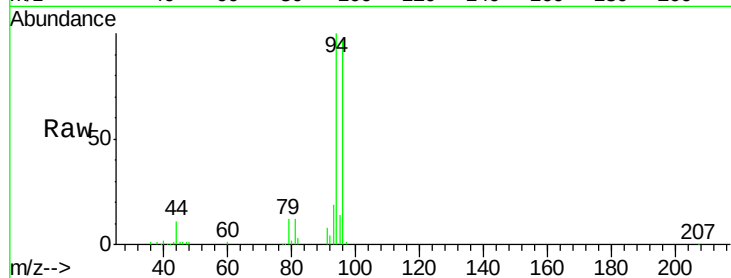
96 97.1 75.8 113.8

Manual Integrations

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12/11/2018 12:45:50 PM



#6

Chloroethane

Concen: 17.469 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052748.D

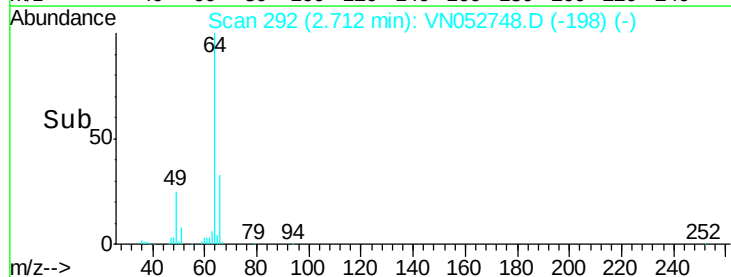
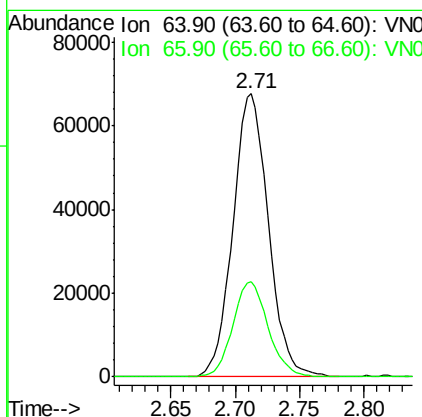
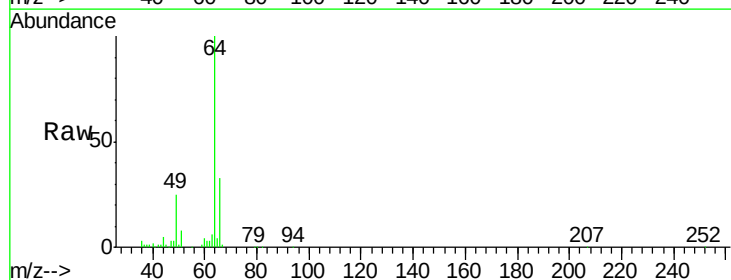
Acq: 10 Dec 2018 12:57

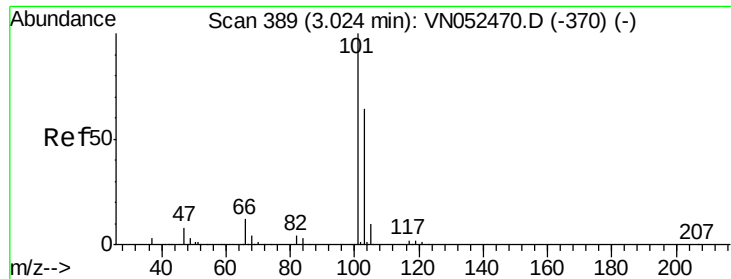
Tgt Ion: 64 Resp: 129475

Ion Ratio Lower Upper

64 100

66 33.4 25.7 38.5





#7

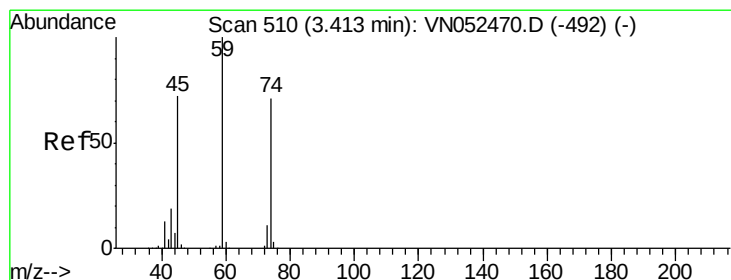
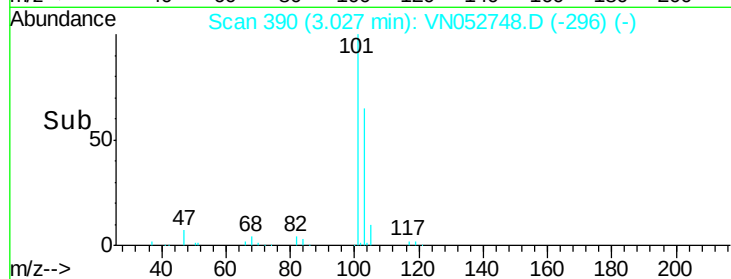
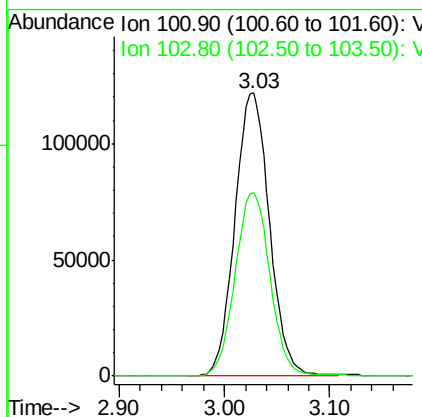
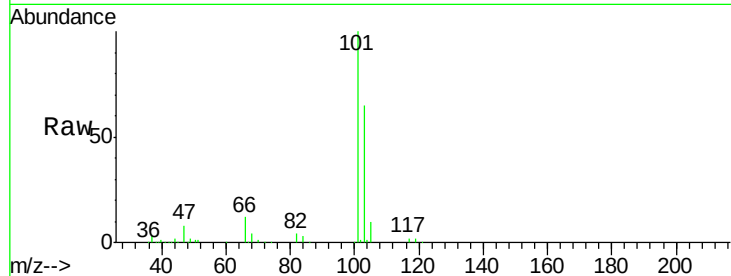
Trichlorofluoromethane
 Concen: 18.460 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	277460		
103	65.0		51.4	77.2

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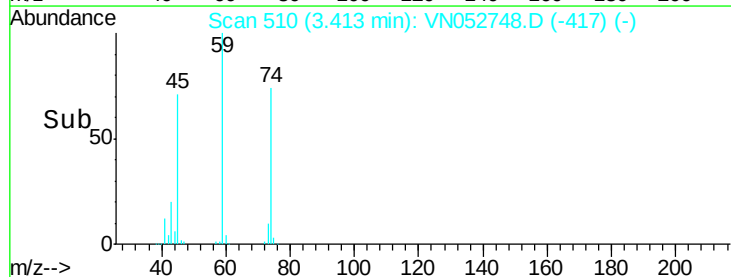
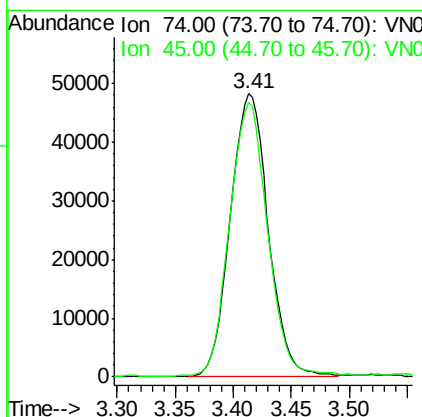
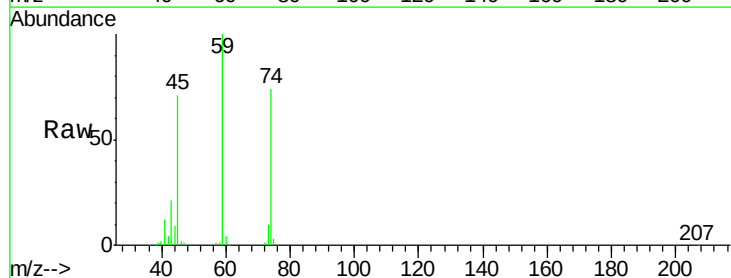
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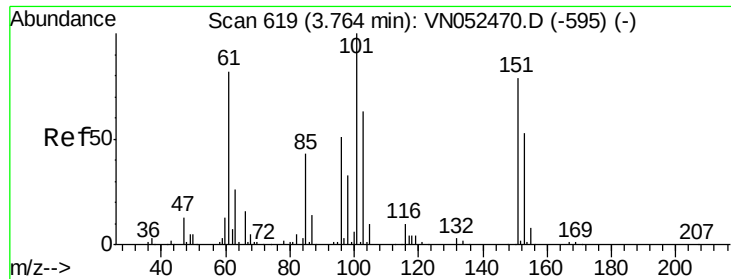


#8

Diethyl Ether
 Concen: 19.768 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109720		
45	97.6		50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.734 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

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MSVOA_N

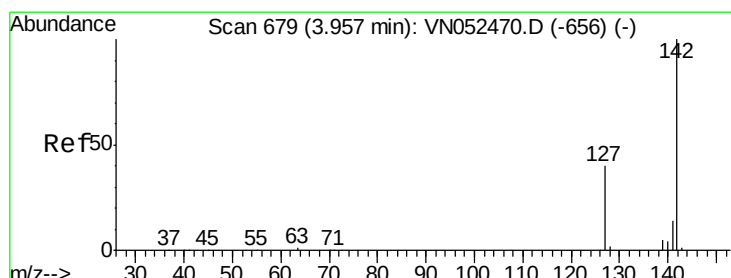
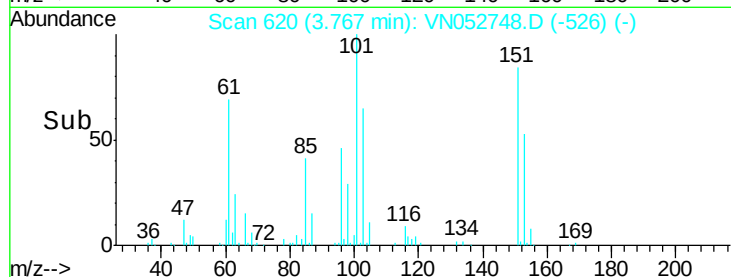
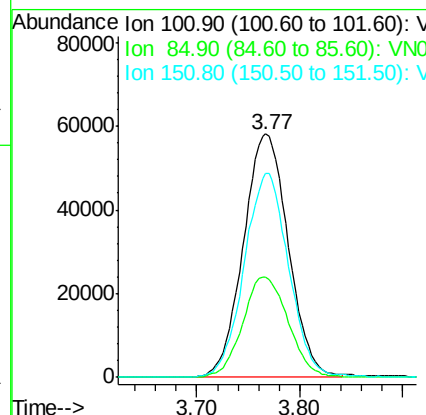
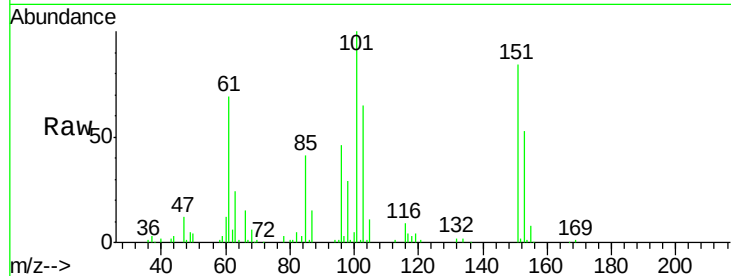
ClientSampleId :

VN1210WBS02

Tot Ion:	101	Resp:	175697
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	82.7	64.6	96.8

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#10

Methyl Iodide

Concen: 15.665 ug/l

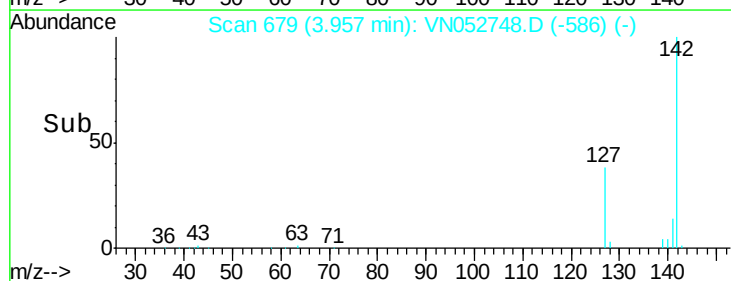
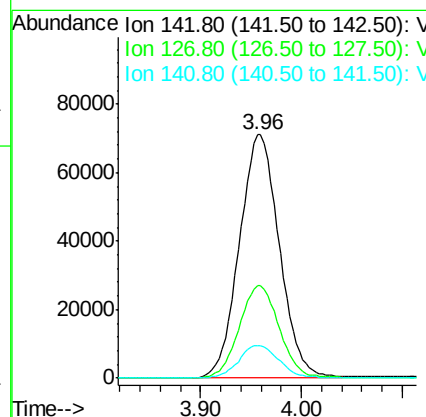
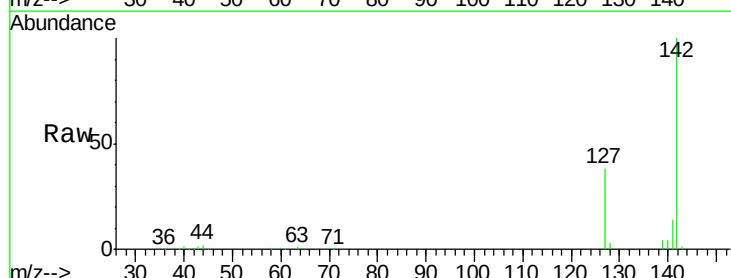
RT: 3.96 min Scan# 679

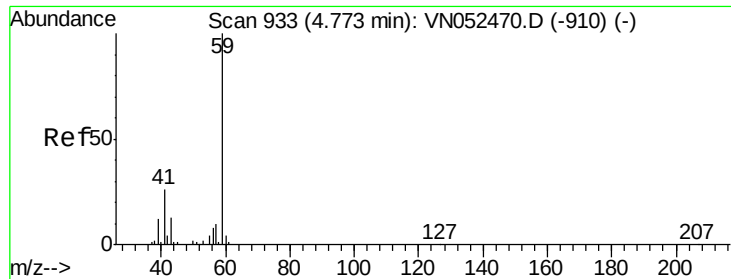
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	142	Resp:	195679
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.8	47.6
141	13.5	11.4	17.0





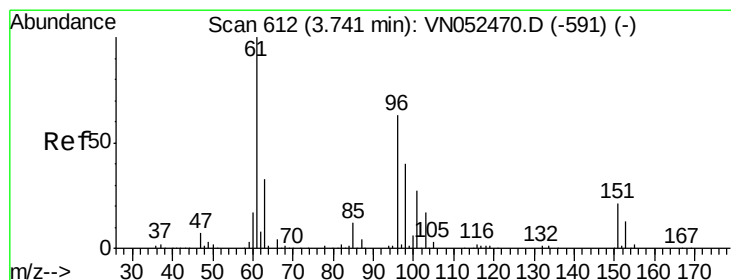
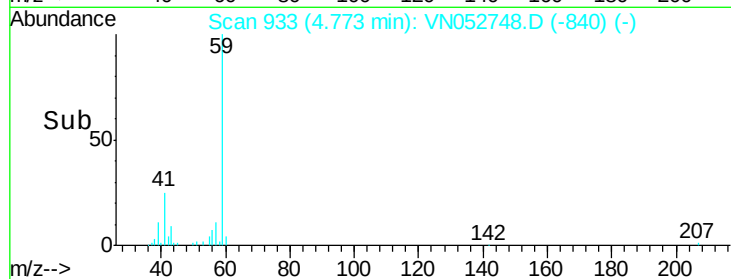
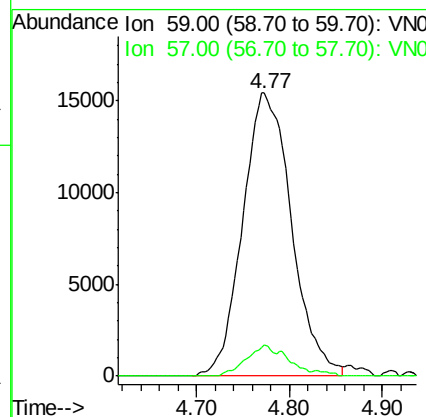
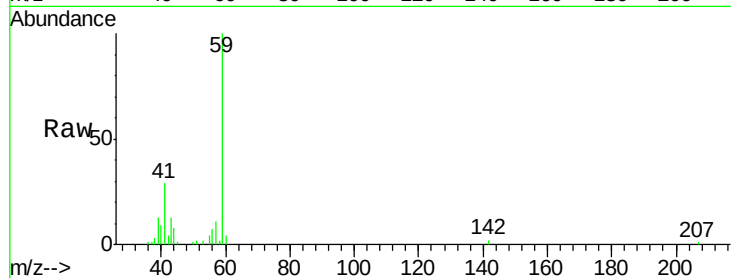
#11
Tert butyl alcohol
Concen: 107.589 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion: 59 Resp: 56519
Ion Ratio Lower Upper
59 100
57 6.2 7.9 11.9#

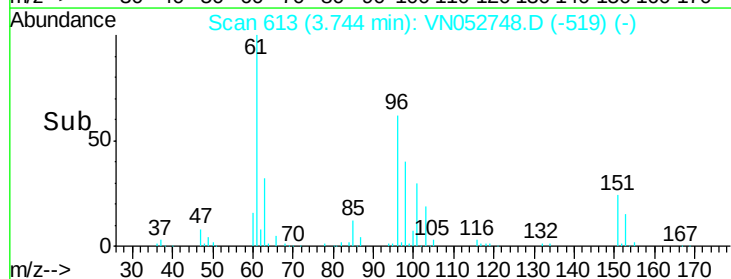
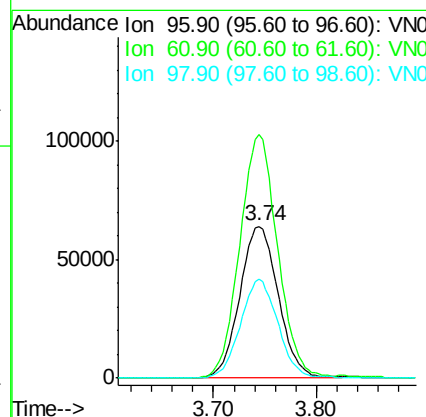
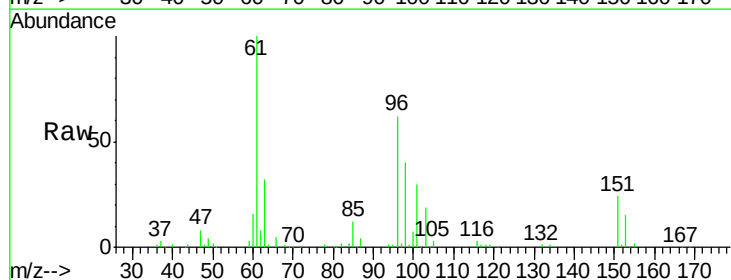
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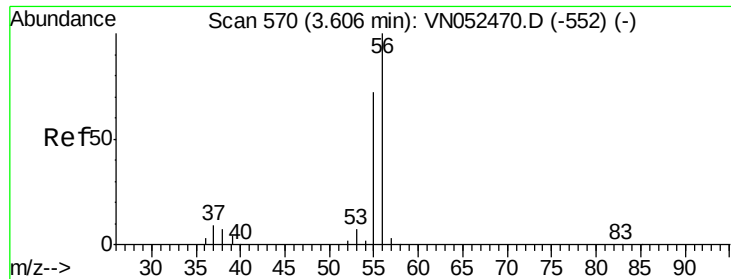
MMDadoda
12/11/2018 12:45:50 PM



#12
1,1-Dichloroethene
Concen: 18.440 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 96 Resp: 166465
Ion Ratio Lower Upper
96 100
61 160.6 127.0 190.6
98 64.9 50.3 75.5





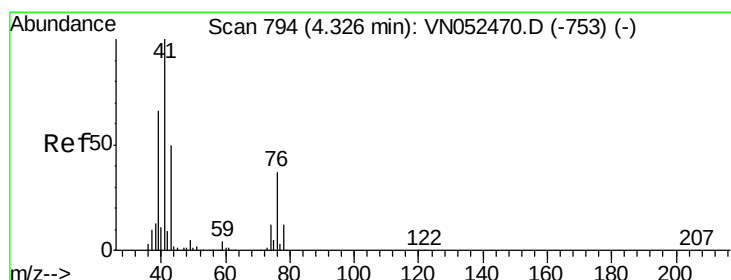
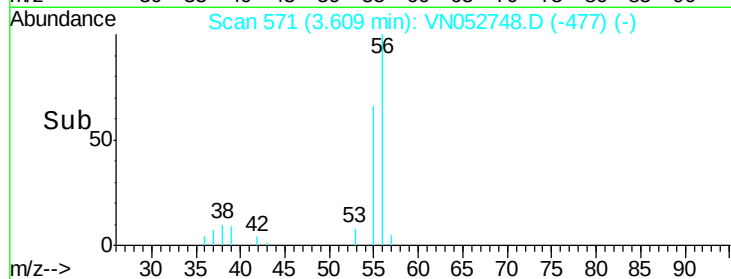
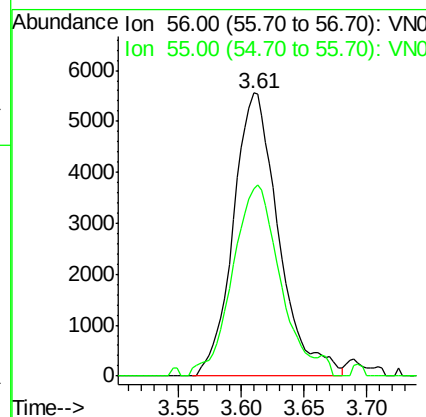
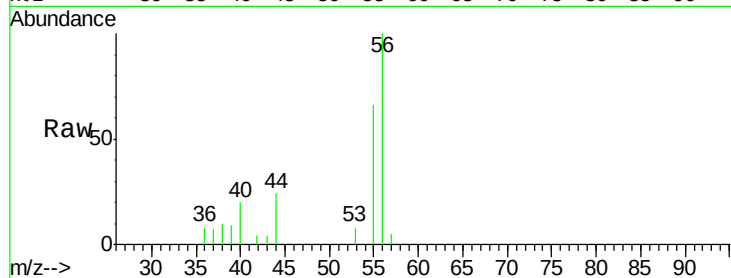
#13
 Acrolein
 Concen: 15.310 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	56	Resp	13978
Ion Ratio	100	Lower	Upper
56	100		
55	69.6	56.8	85.2

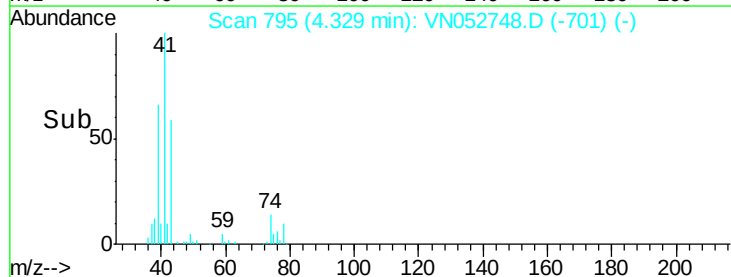
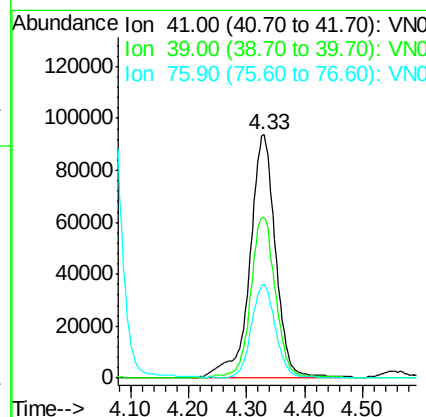
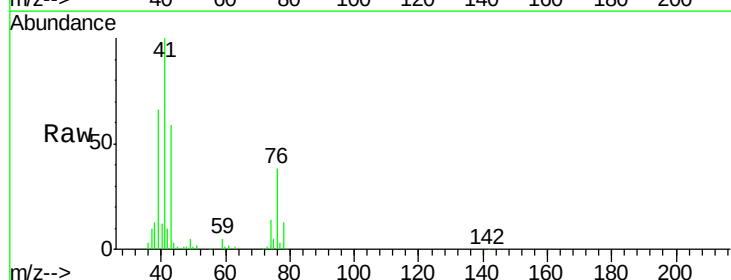
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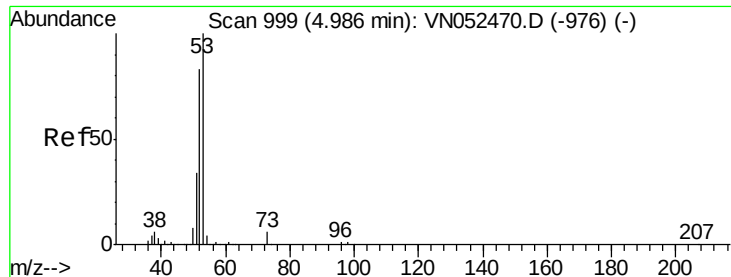
MMDadoda
 12/11/2018 12:45:50 PM



#14
 Allyl chloride
 Concen: 18.646 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	41	Resp	290114
Ion Ratio	100	Lower	Upper
41	100		
39	63.4	50.6	76.0
76	35.1	27.4	41.2





#15

Acrylonitrile

Concen: 100.438 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

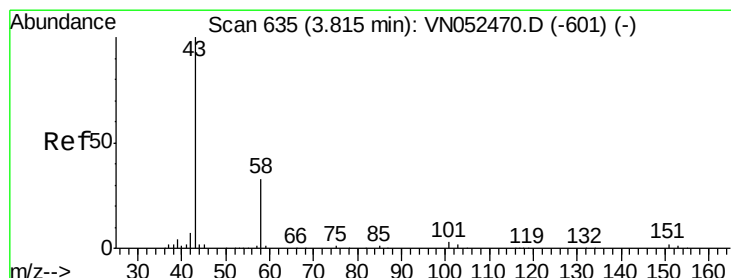
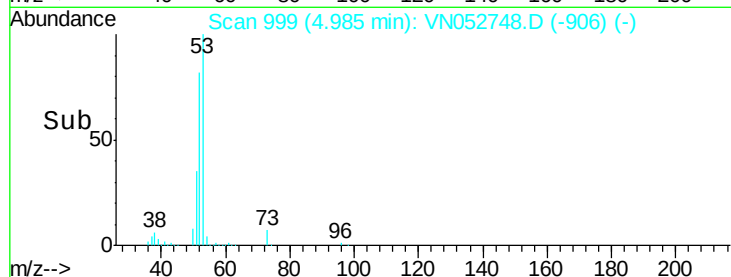
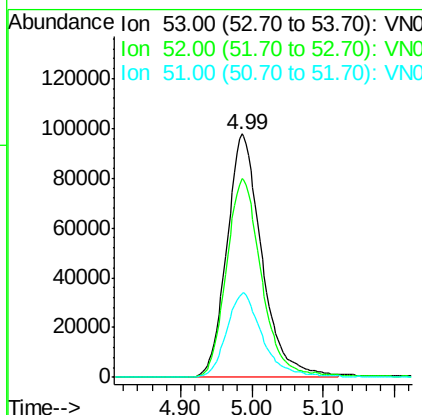
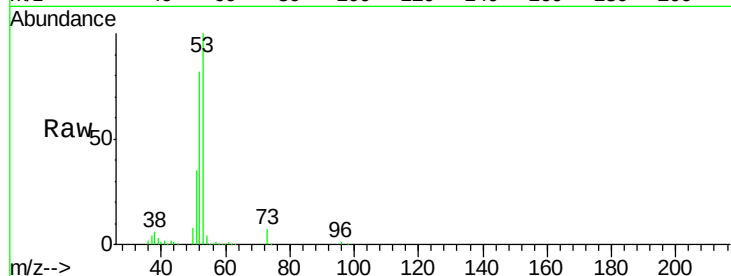
ClientSampleId :

VN1210WBS02

Tot Ion:	53	Resp:	333991
Ion Ratio	Lower	Upper	
53	100		
52	80.8	66.2	99.2
51	35.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 88.425 ug/l

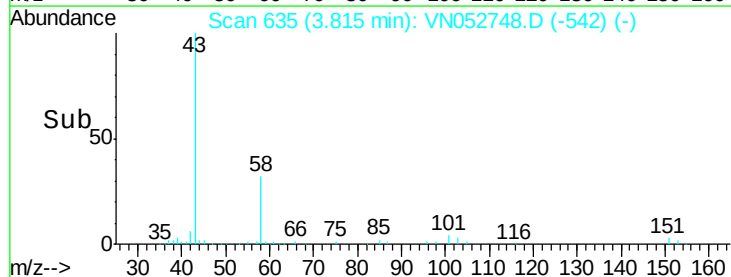
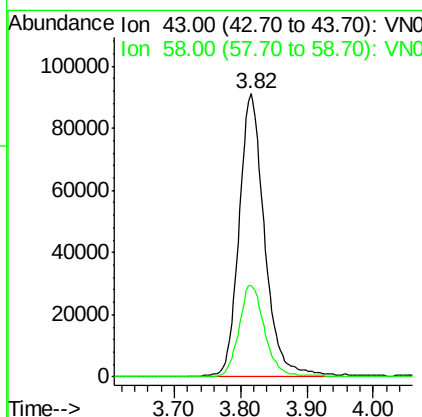
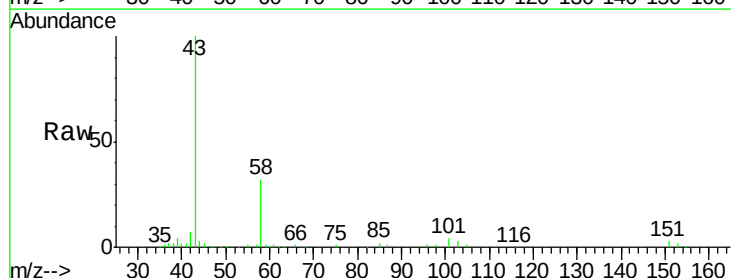
RT: 3.82 min Scan# 635

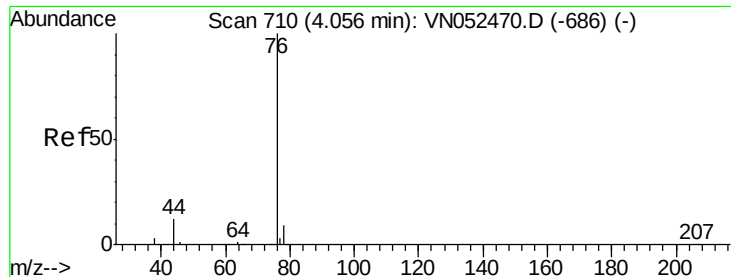
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	43	Resp:	244735
Ion Ratio	Lower	Upper	
43	100		
58	32.1	26.0	39.0





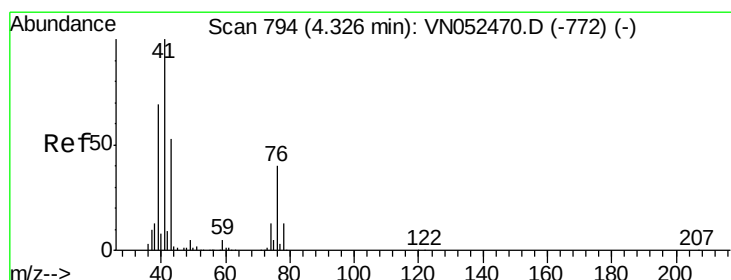
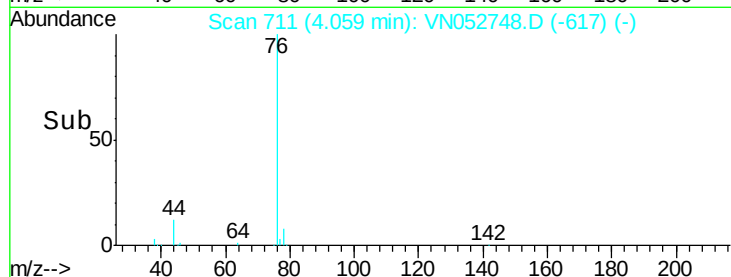
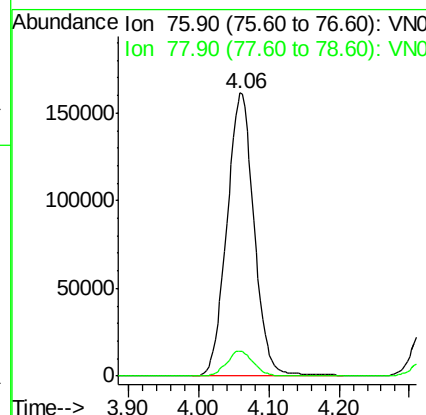
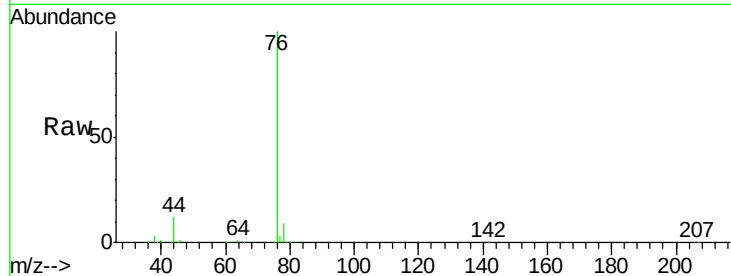
#17
Carbon Disulfide
Concen: 15.313 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

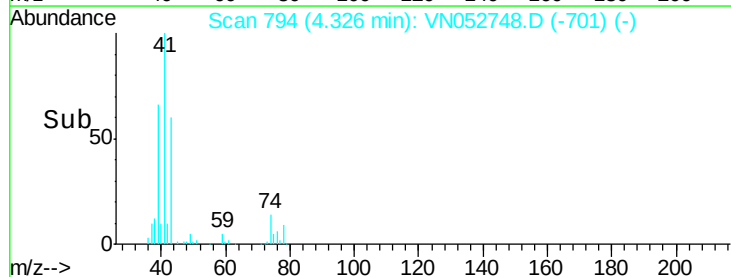
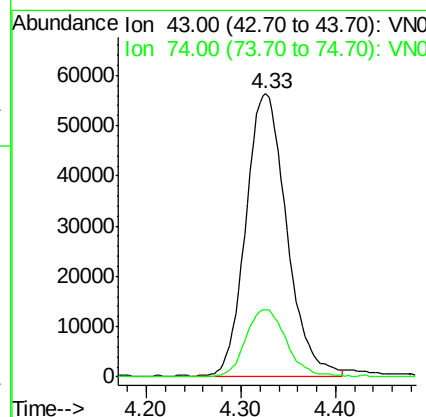
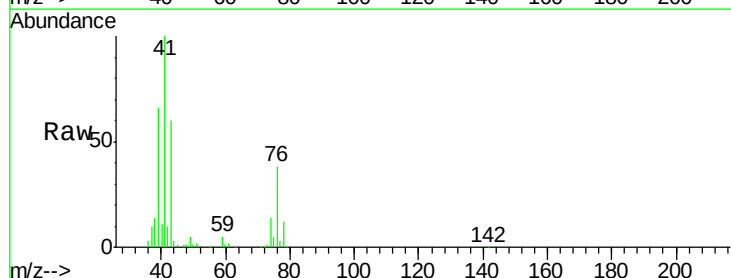
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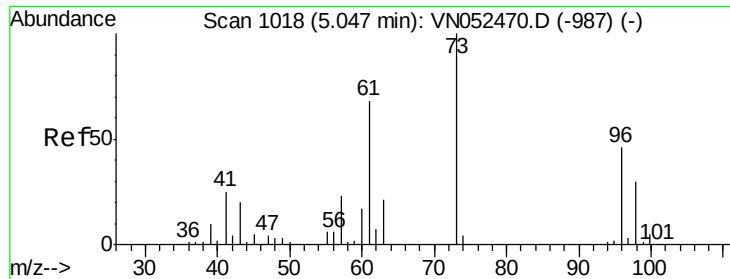
MMDadoda
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#18
Methyl Acetate
Concen: 21.128 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	27.8





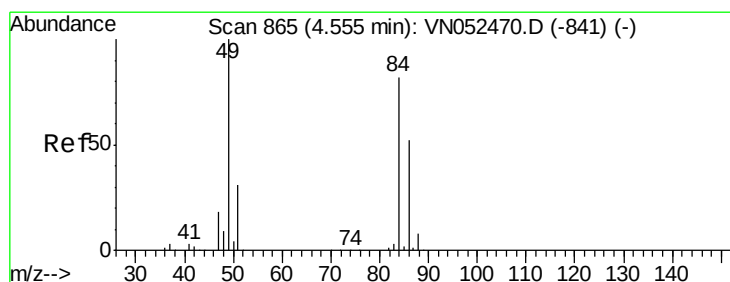
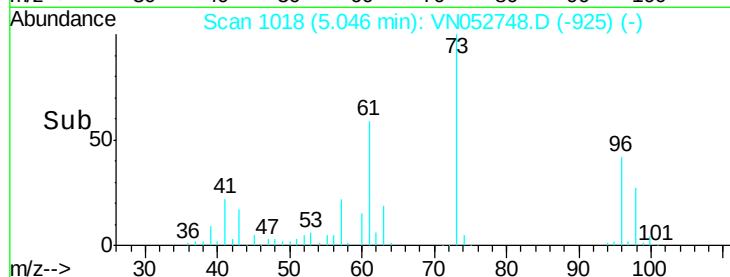
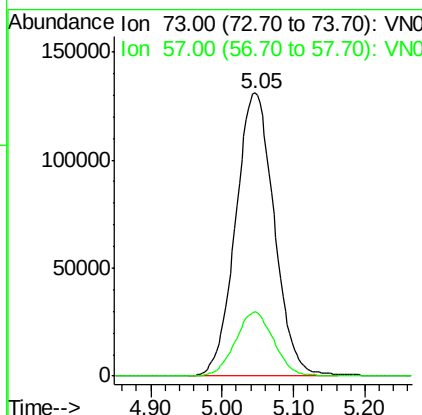
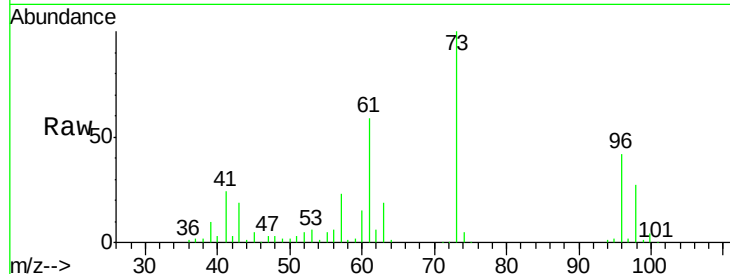
#19
Methvl tert-butyl Ether
Concen: 20.537 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion: 73 Resp: 493272
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.2

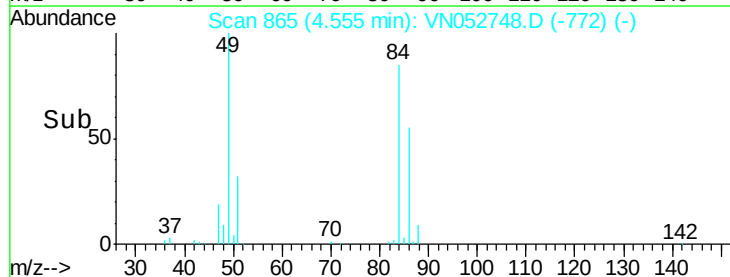
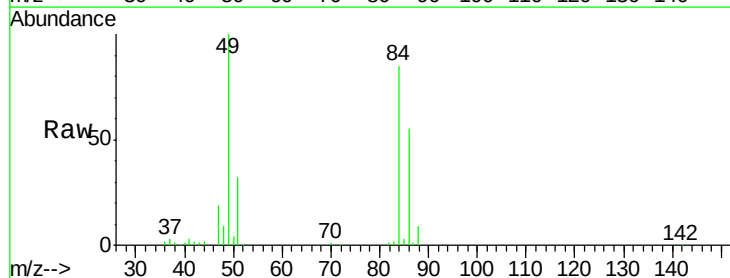
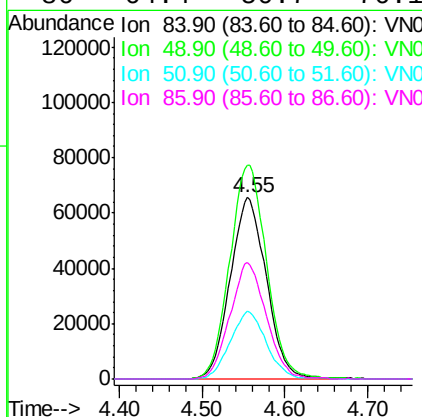
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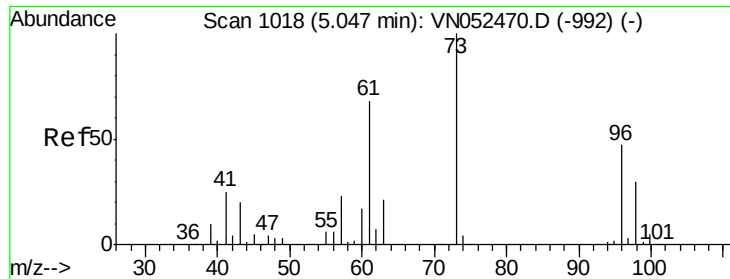
MMDadoda
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#20
Methylene Chloride
Concen: 18.380 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 84 Resp: 199074
Ion Ratio Lower Upper
84 100
49 117.3 98.0 147.0
51 37.3 30.1 45.1
86 64.4 50.7 76.1





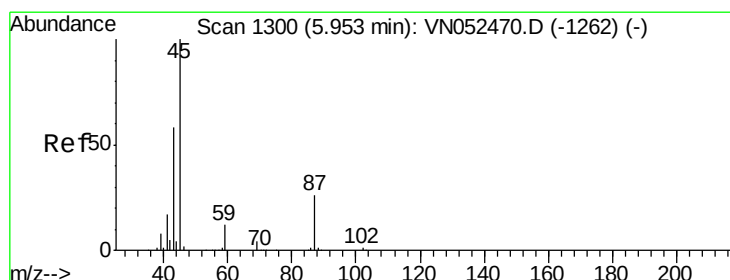
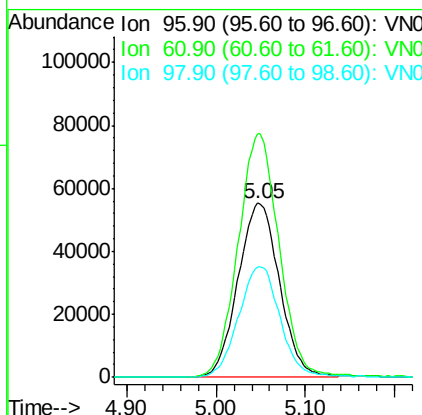
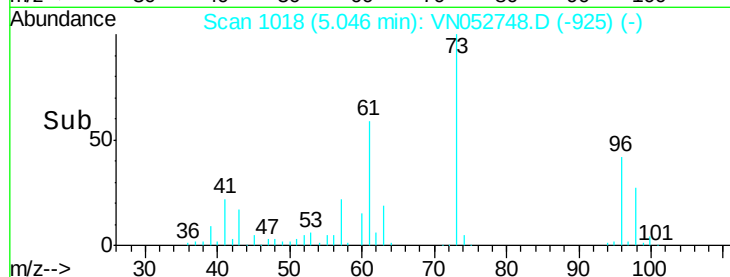
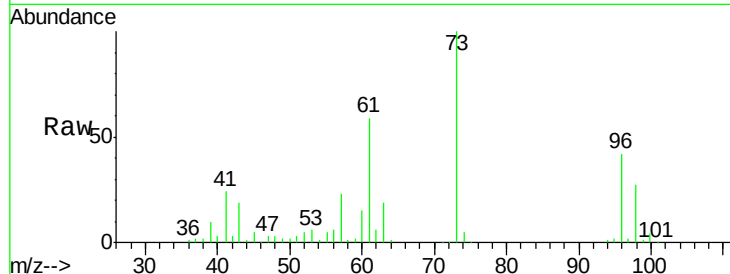
#21
trans-1,2-Dichloroethene
Concen: 18.564 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	117.0	175.4
98	63.3	51.8	77.6

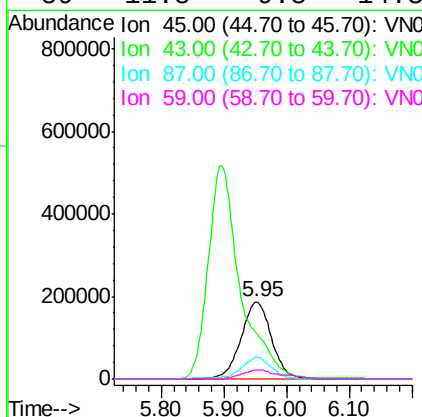
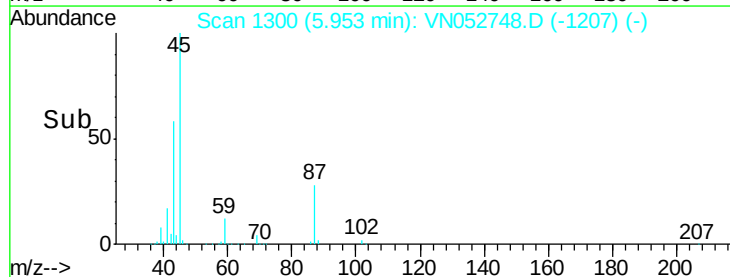
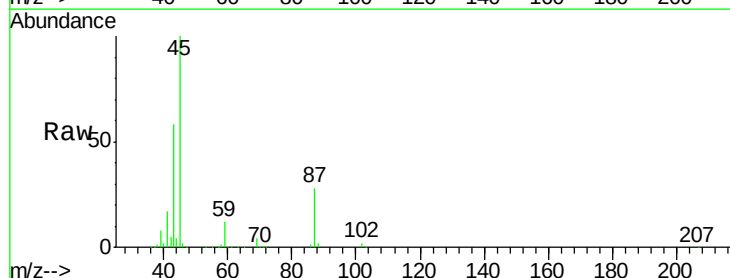
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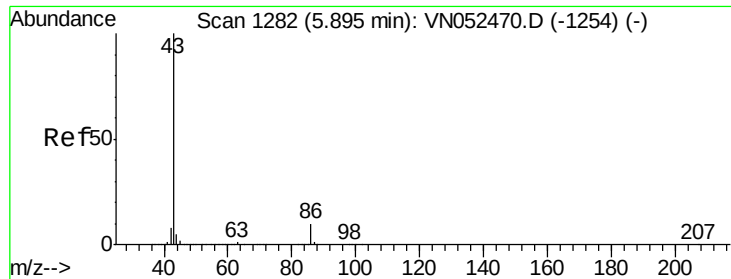
MMDadoda
12/11/2018 12:45:50 PM



#22
Diisopropyl ether
Concen: 19.329 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	46.1	69.1
87	27.9	21.3	31.9
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 91.031 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion: 43 Resp: 1853067

Ion Ratio Lower Upper

43 100

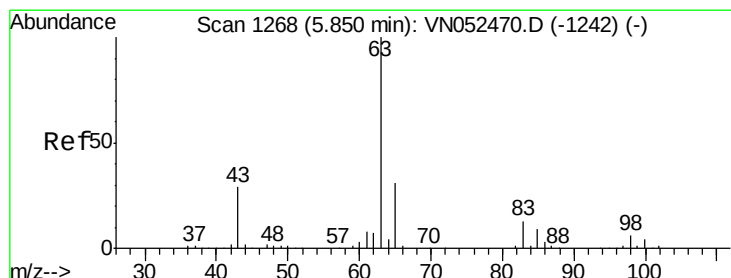
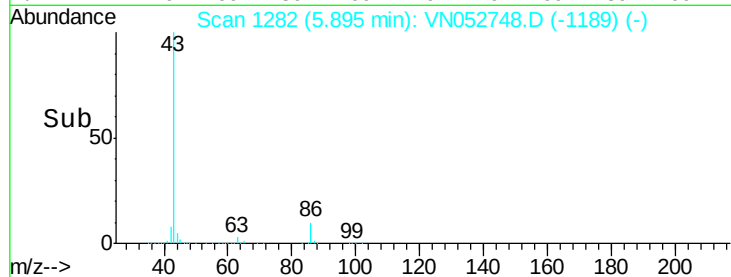
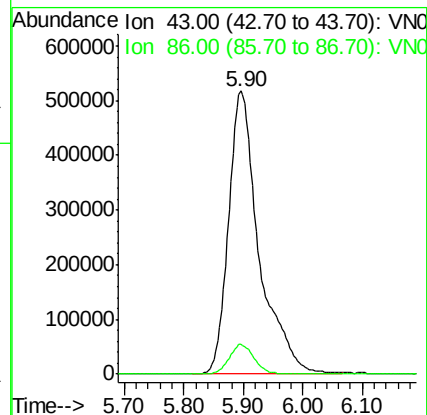
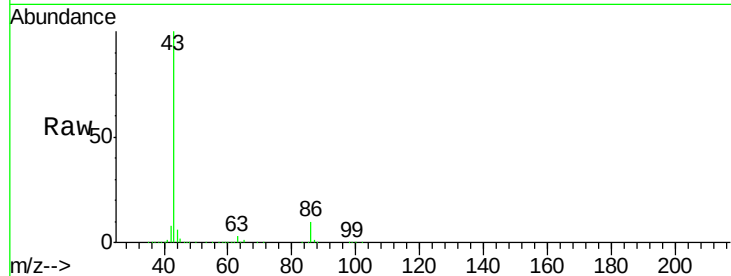
86 10.4 7.8 11.8

Manual Integrations

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MMDadoda

12/11/2018 12:45:50 PM



#24

1,1-Dichloroethane

Concen: 19.054 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

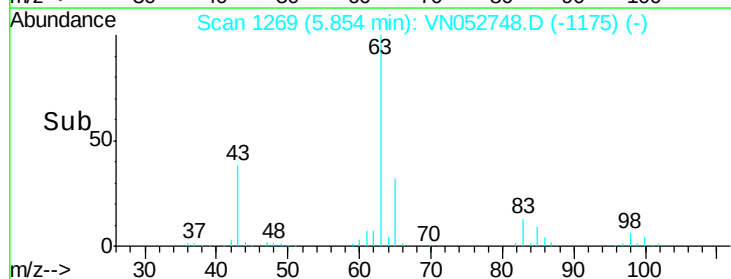
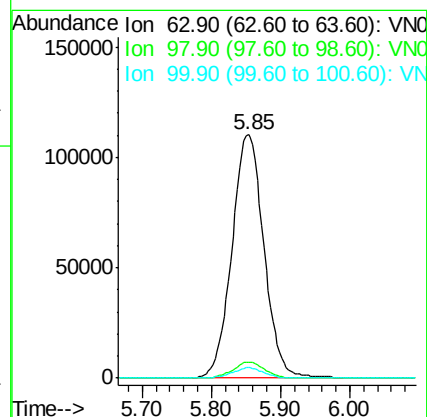
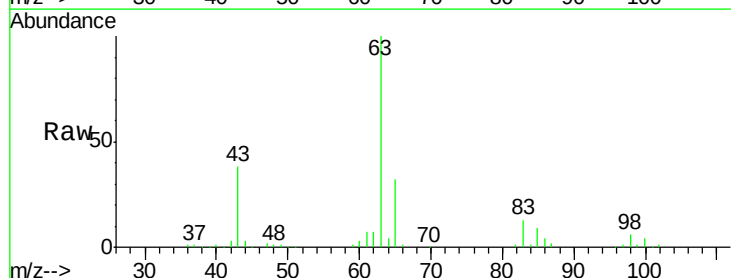
Tgt Ion: 63 Resp: 355558

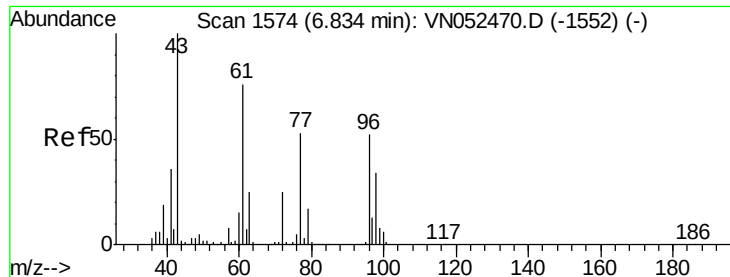
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 4.4 2.0 5.8





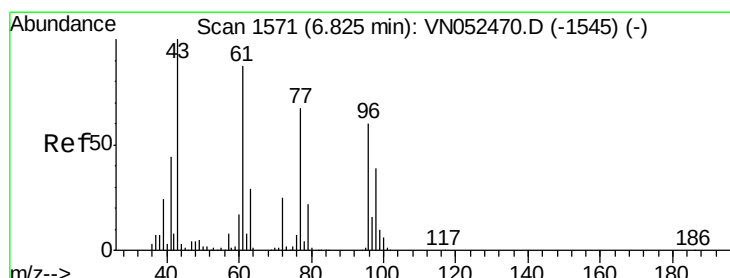
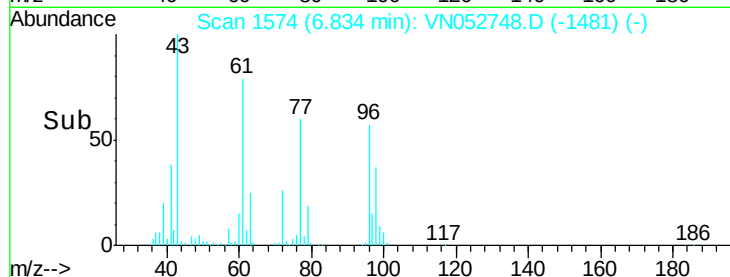
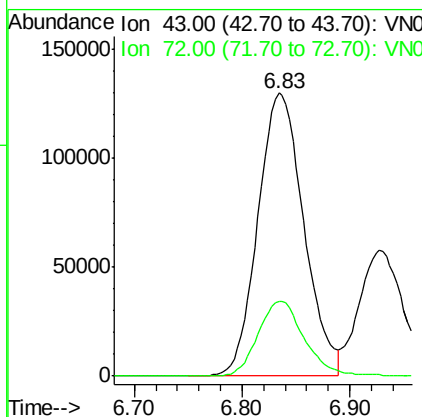
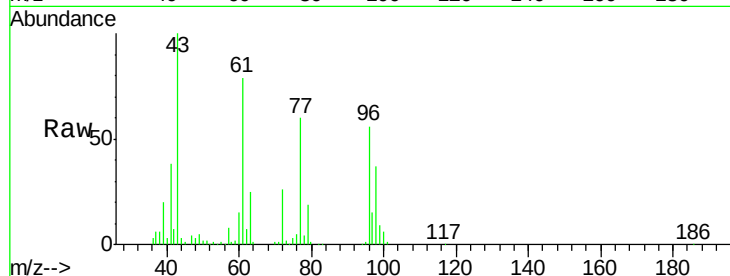
#25
2-Butanone
Concen: 97.199 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion: 43 Resp: 381306
Ion Ratio Lower Upper
43 100
72 26.3 20.1 30.1

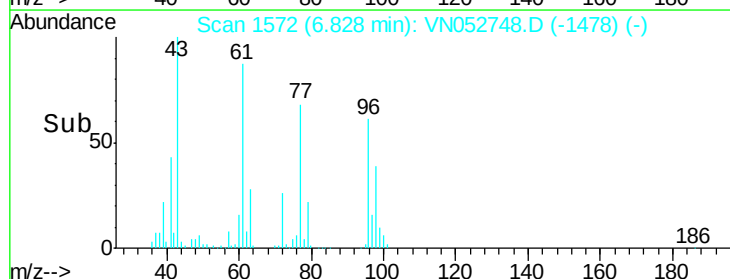
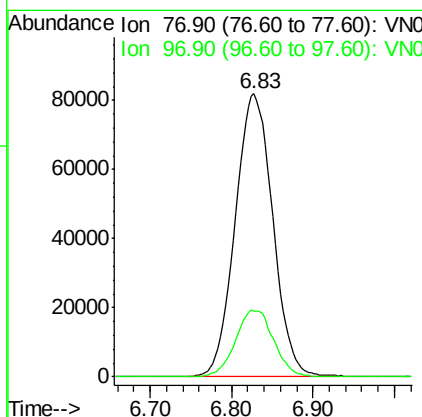
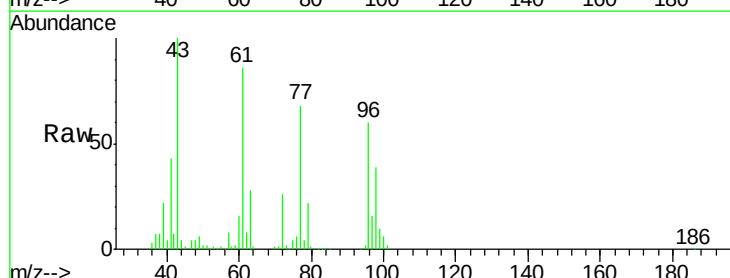
Manual Integrations
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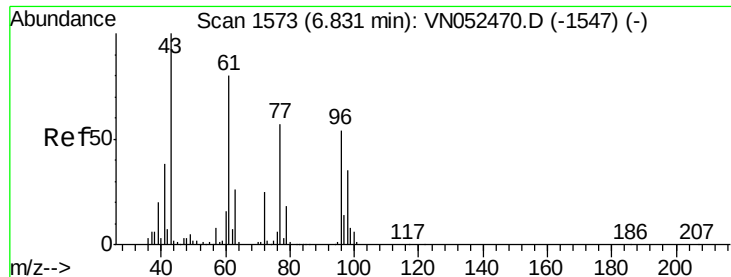
MMDadoda
12/11/2018 12:45:50 PM



#26
2,2-Dichloropropane
Concen: 20.256 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 77 Resp: 261633
Ion Ratio Lower Upper
77 100
97 24.0 11.8 35.3





#27

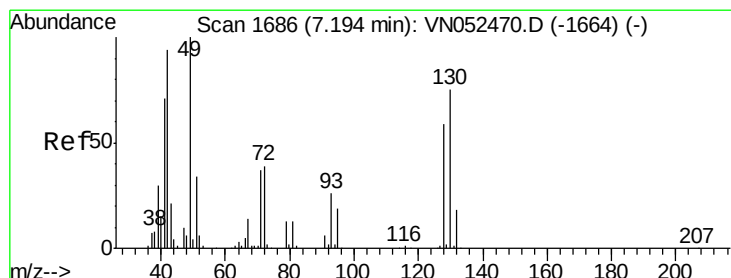
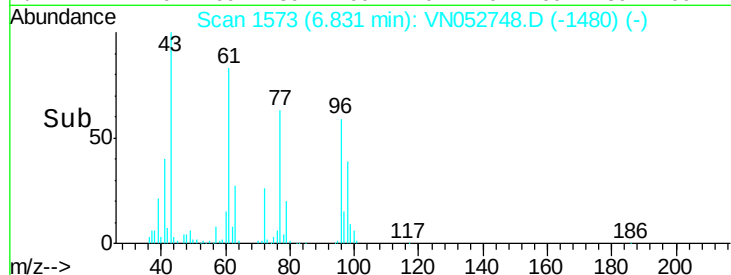
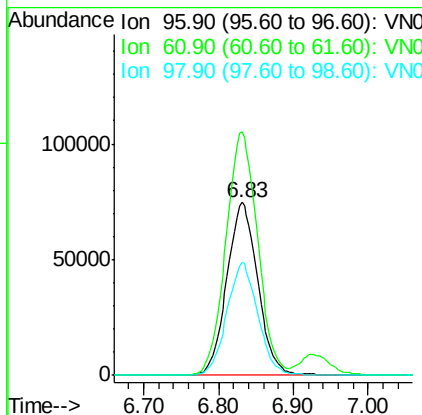
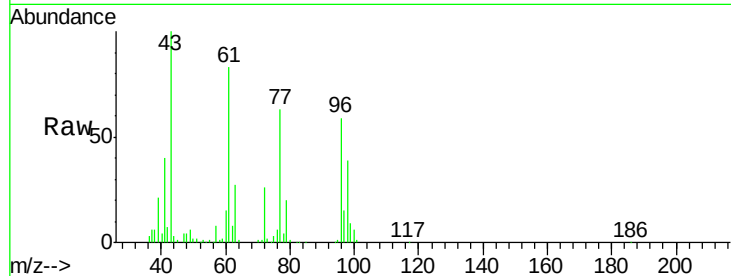
cis-1,2-Dichloroethene
 Concen: 19.148 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	215056		
61	143.9	0.0	291.0	
98	65.1	0.0	130.0	

Manual Integrations
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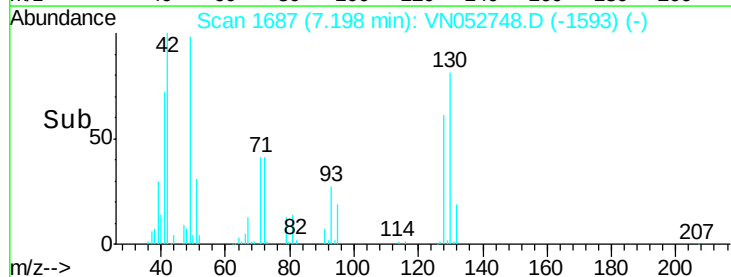
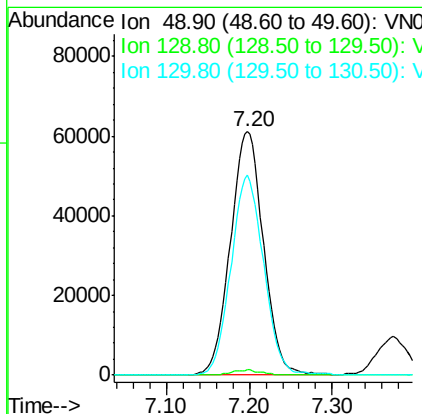
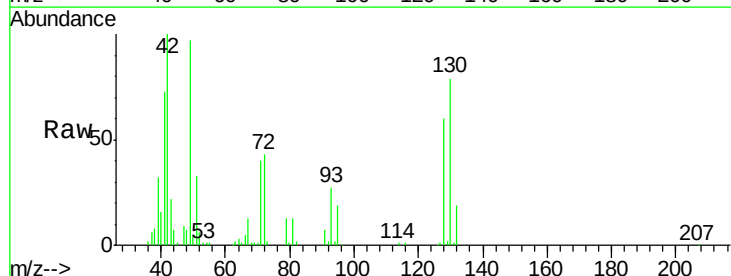
MMDadoda
 12/11/2018 12:45:50 PM

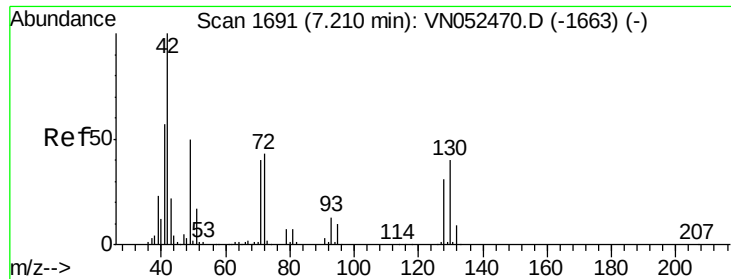


#28

Bromochloromethane
 Concen: 19.897 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	169583		
129	1.9	0.0	3.8	
130	81.1	60.2	90.2	





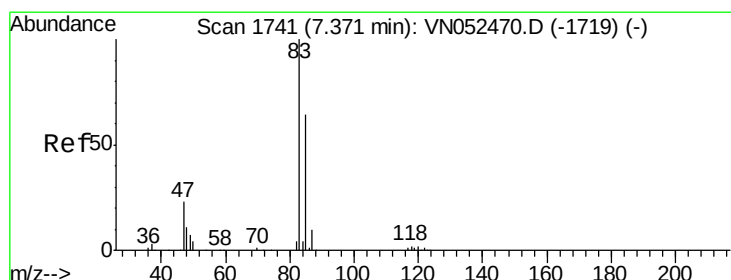
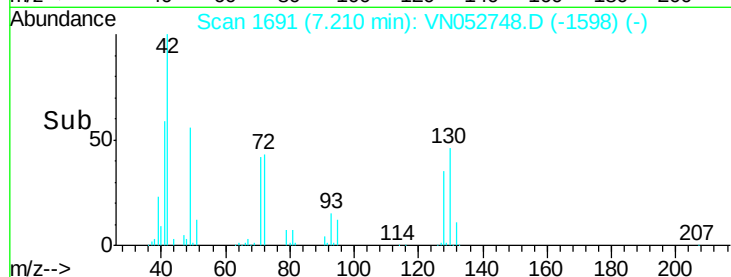
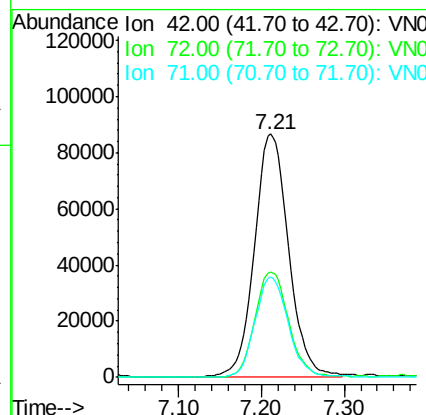
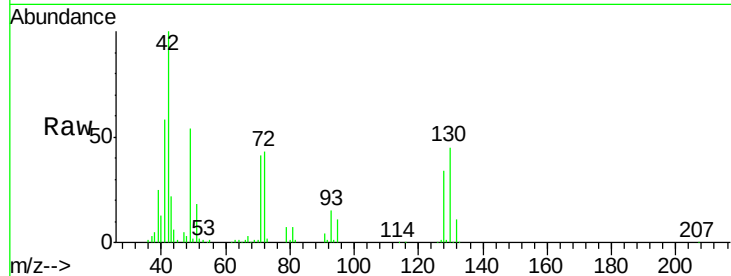
#29
Tetrahydrofuran
Concen: 98.453 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion:	42	Resp:	249114
Ion Ratio		Lower	Upper
42	100		
72	42.8	33.3	49.9
71	40.4	32.0	48.0

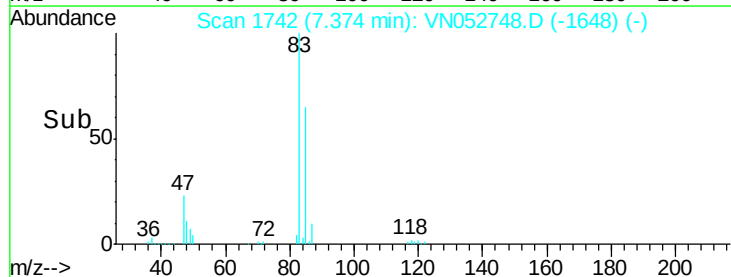
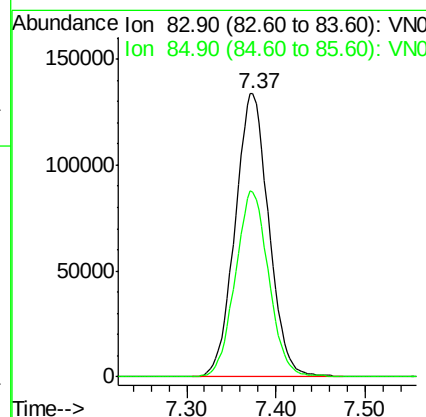
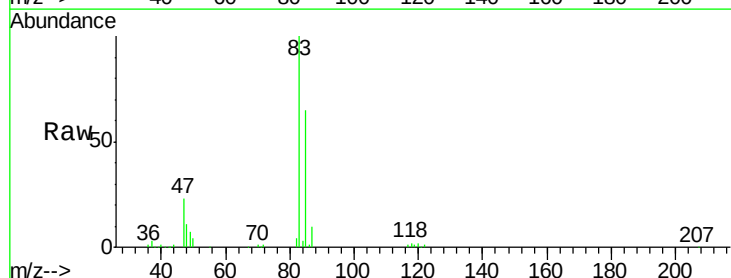
Manual Integrations
APPROVED

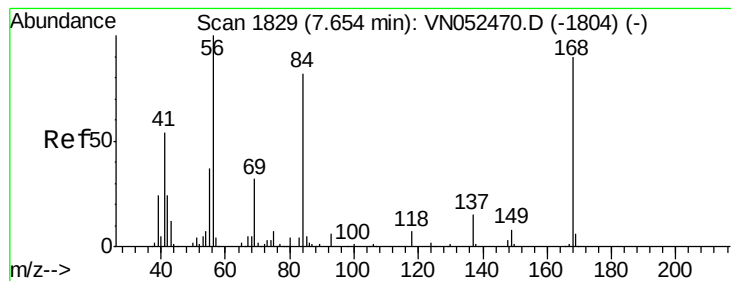
MMDadoda
12/11/2018 12:45:50 PM



#30
Chloroform
Concen: 18.822 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion:	83	Resp:	350415
Ion Ratio		Lower	Upper
83	100		
85	65.3	51.0	76.4





#31

Cyclohexane

Concen: 17.249 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

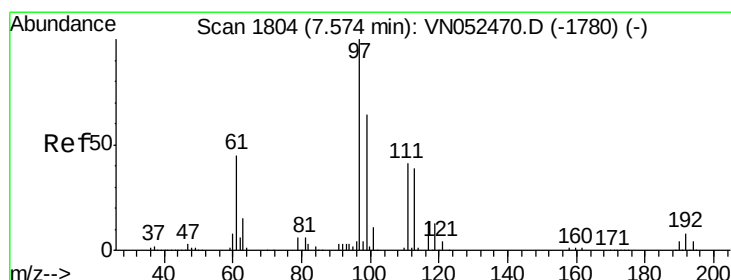
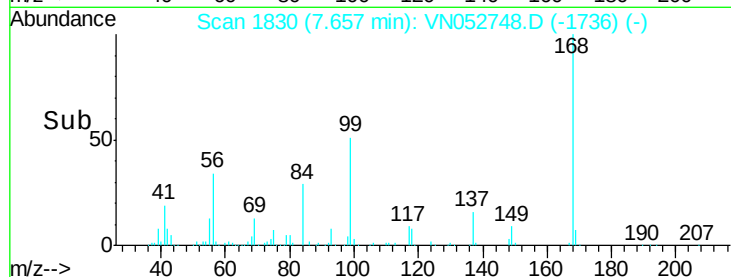
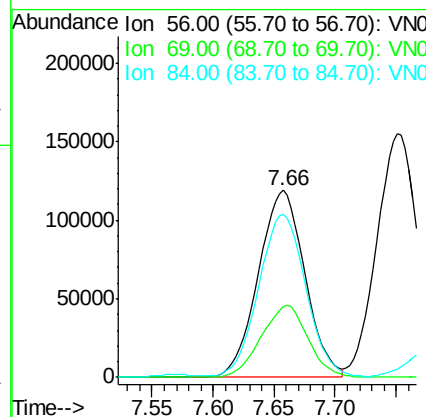
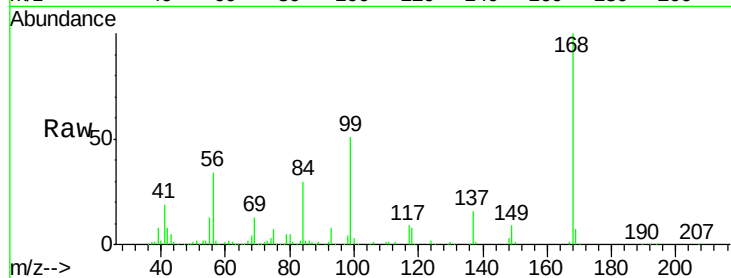
ClientSampleId :

VN1210WBS02

Tot Ion:	56	Resp:	315870
Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.8	38.6
84	86.4	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.546 ug/l

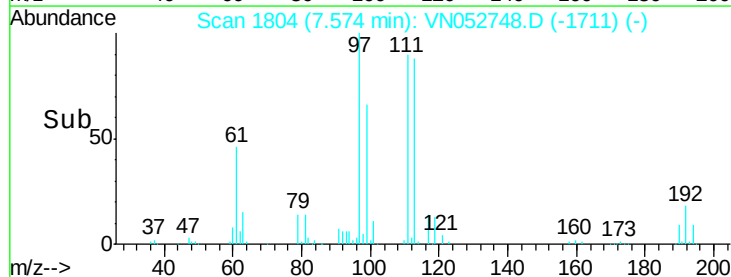
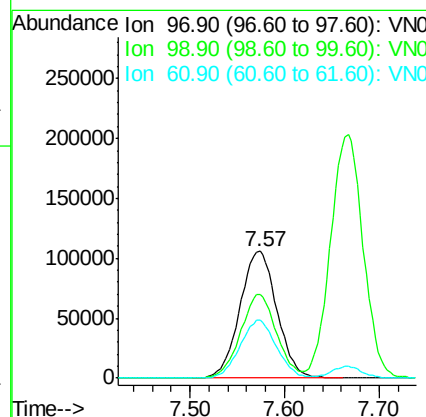
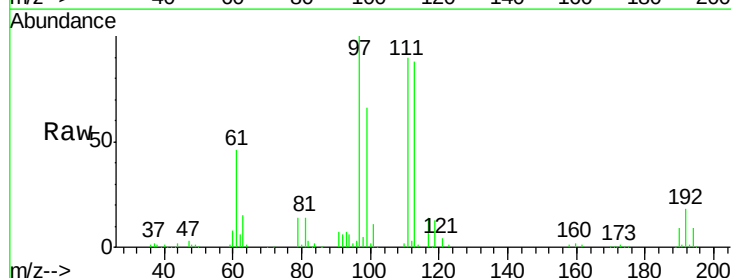
RT: 7.57 min Scan# 1804

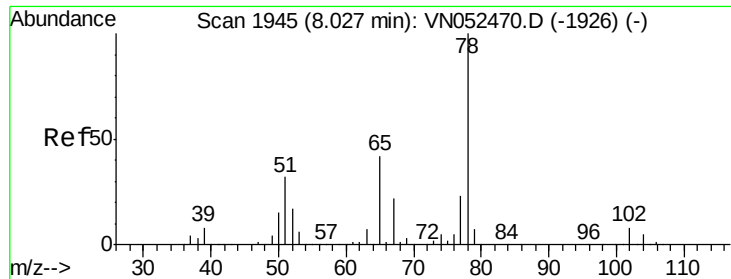
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	97	Resp:	288322
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	44.7	36.8	55.2





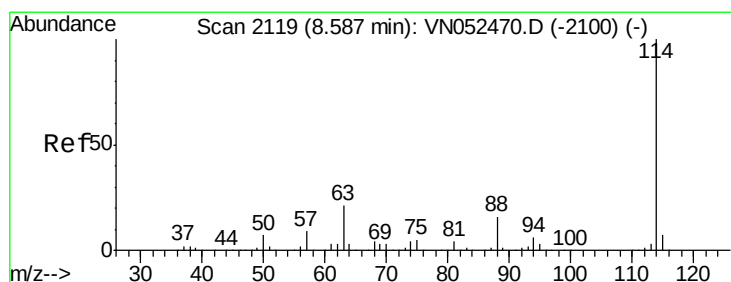
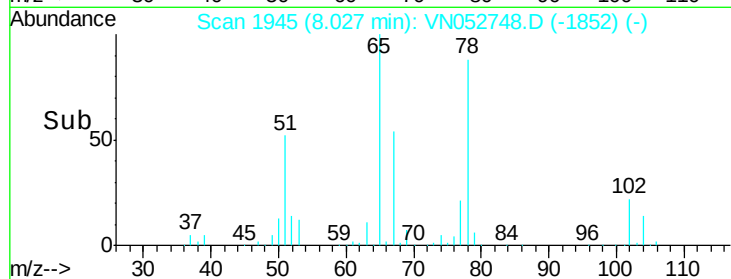
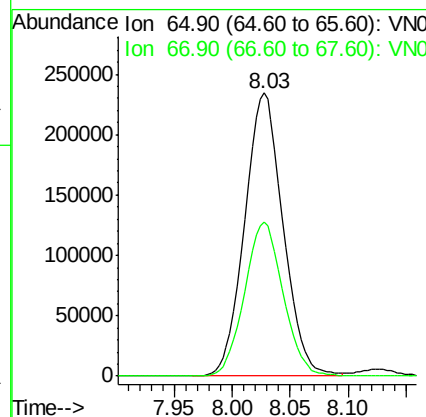
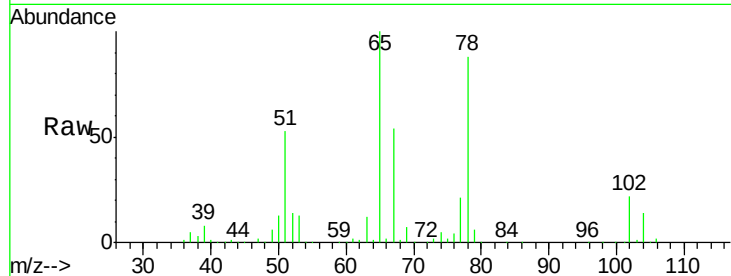
#33
 1,2-Dichloroethane-d4
 Concen: 19.546 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion: 65 Resp: 541126
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8

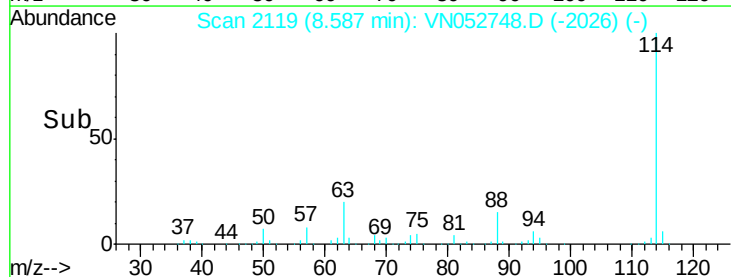
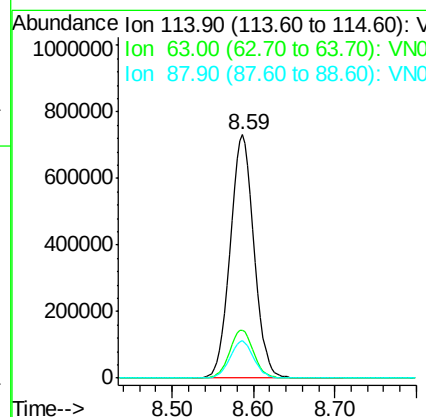
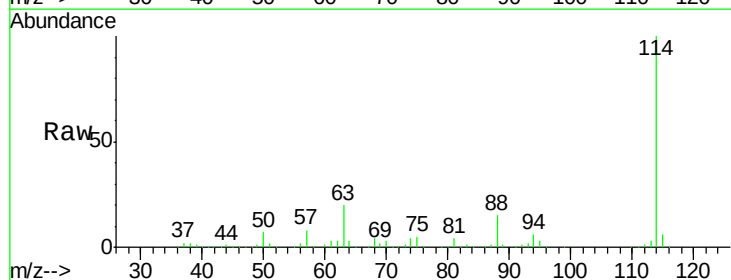
Manual Integrations
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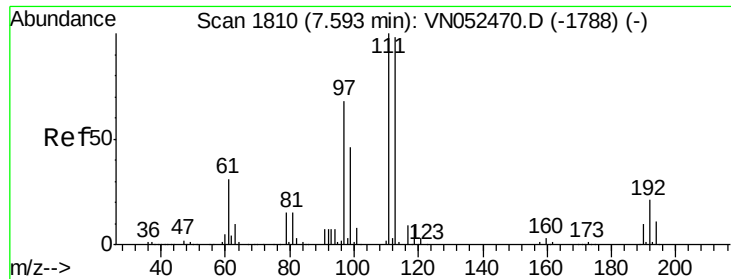
MMDadoda
 12/11/2018 12:45:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion: 114 Resp: 1501950
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.8
 88 15.3 0.0 31.6





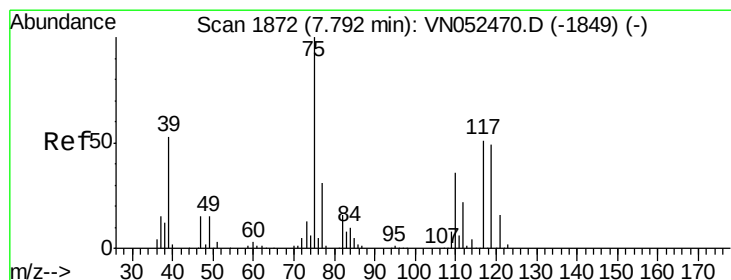
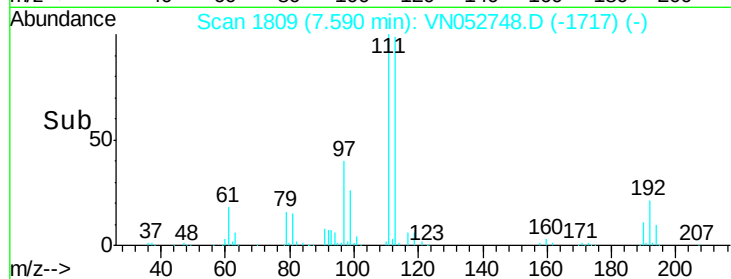
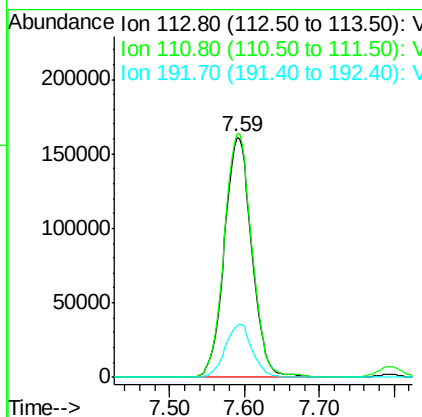
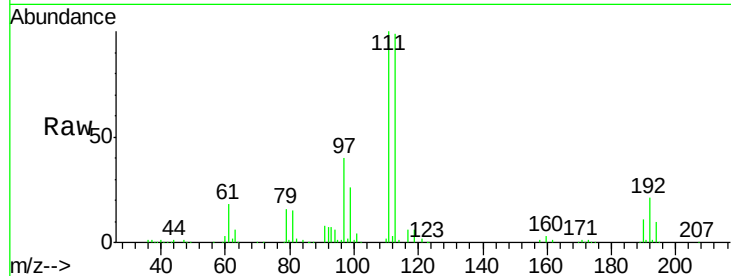
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	82.0	123.0	
192	21.7	17.0	25.6	

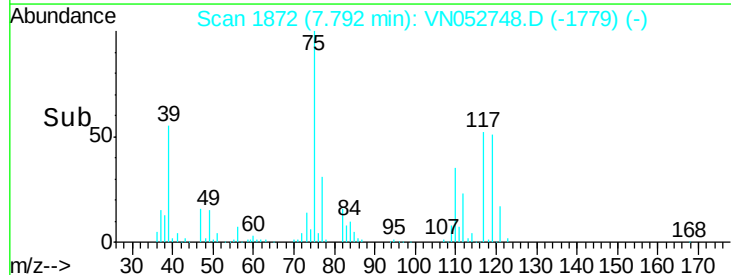
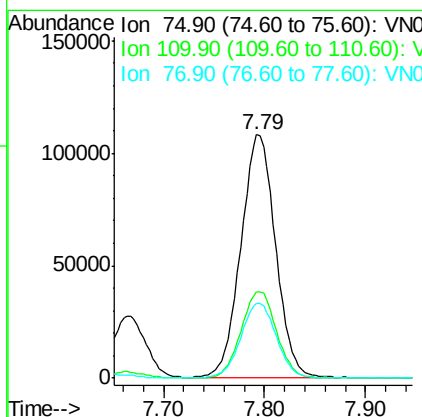
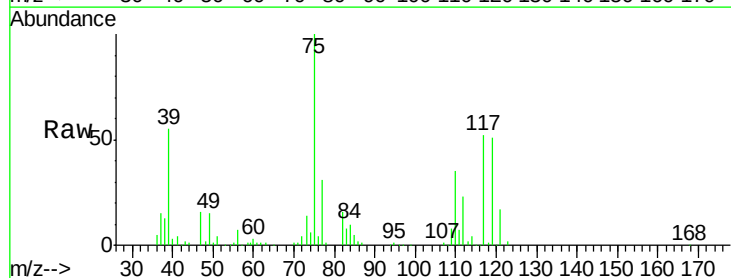
Manual Integrations
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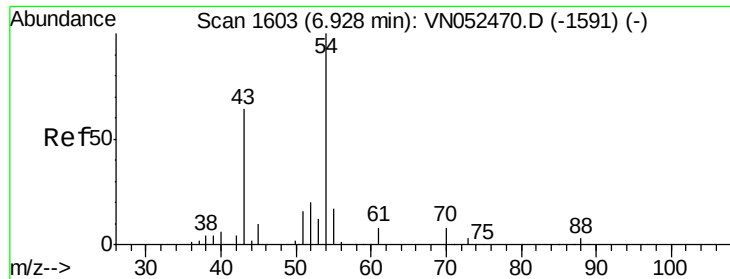
MMDadoda
12/11/2018 12:45:50 PM



#36
1,1-Dichloropropene
Concen: 18.117 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	17.5	52.6	
77	31.8	24.5	36.7	





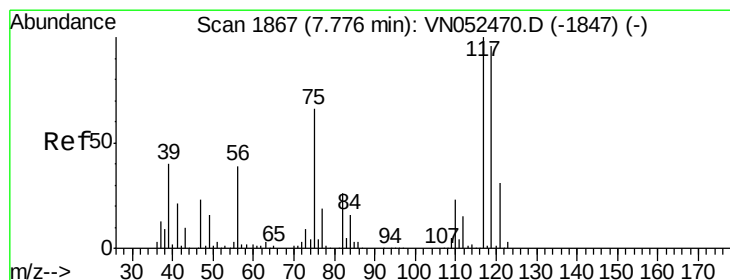
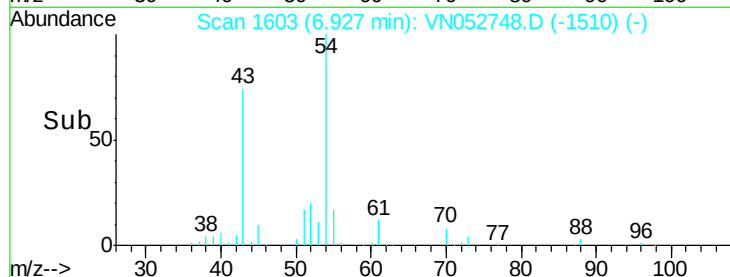
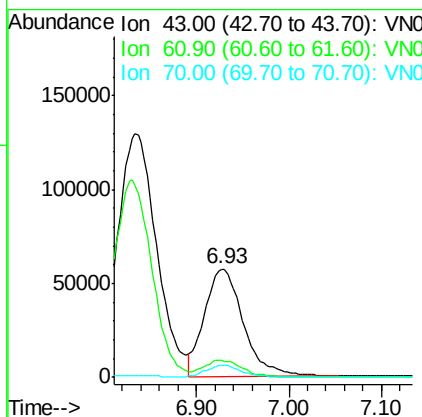
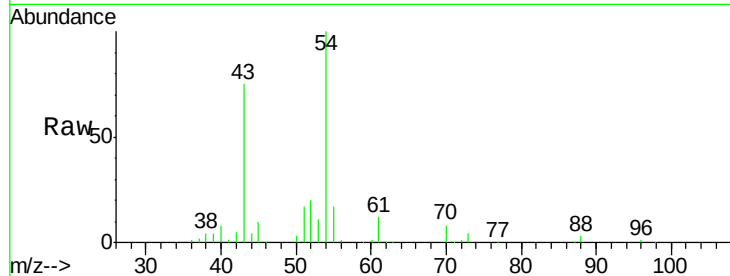
#37
Ethyl Acetate
Concen: 19.162 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	43	61	70
Resp	165870		
Ratio	100	16.2	10.6
Lower		11.8	7.8
Upper		17.8	11.8

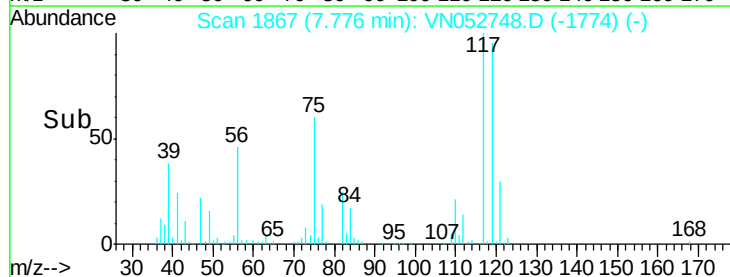
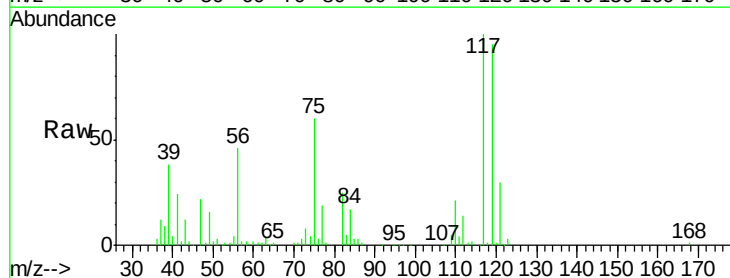
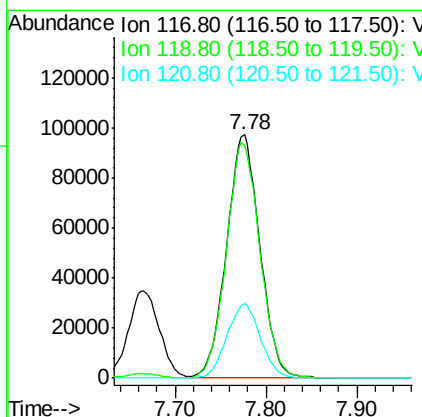
Manual Integrations
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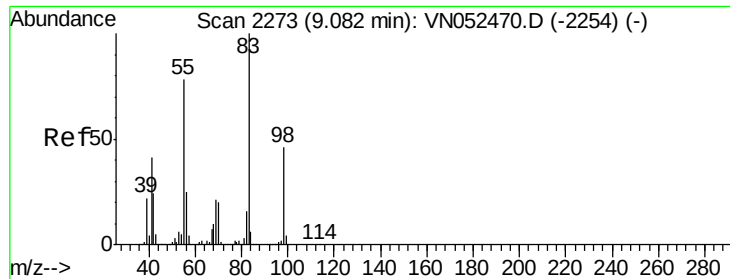
MMDadoda
12/11/2018 12:45:50 PM



#38
Carbon Tetrachloride
Concen: 19.303 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	117	119	121
Resp	247842		
Ratio	100	95.4	30.4
Lower		76.8	24.9
Upper		115.2	37.3





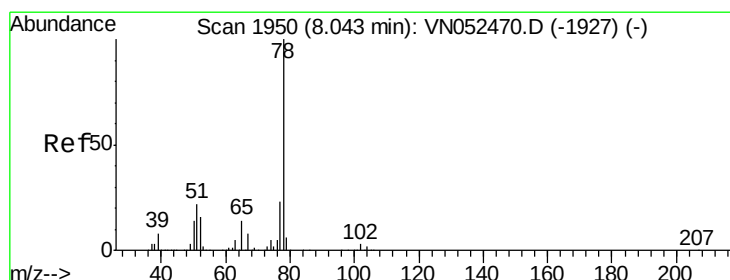
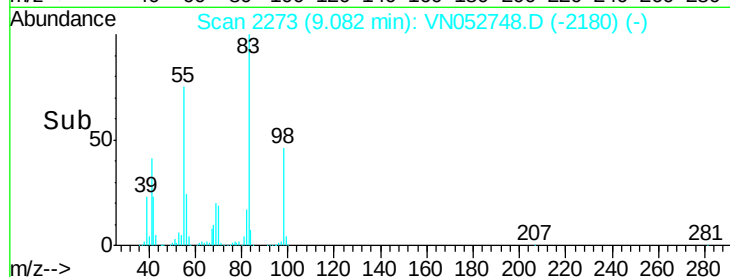
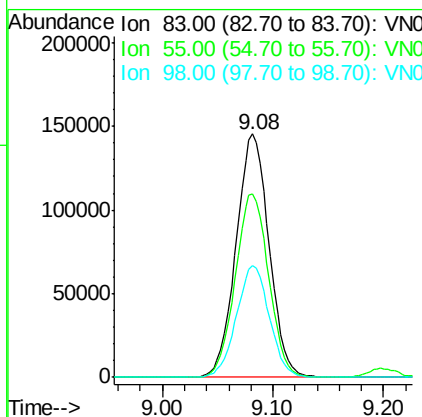
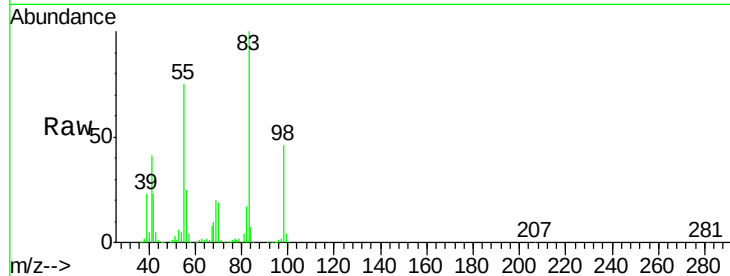
#39
Methylvlcyclohexane
Concen: 17.448 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	62.2	93.2
98	45.8	36.4	54.6

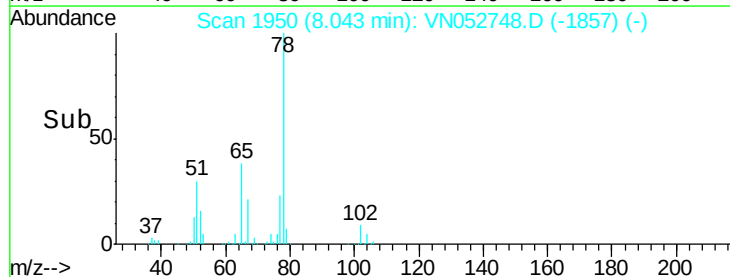
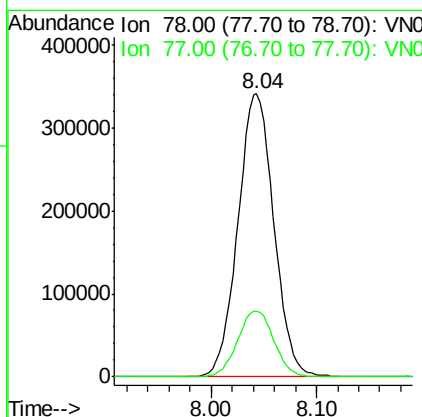
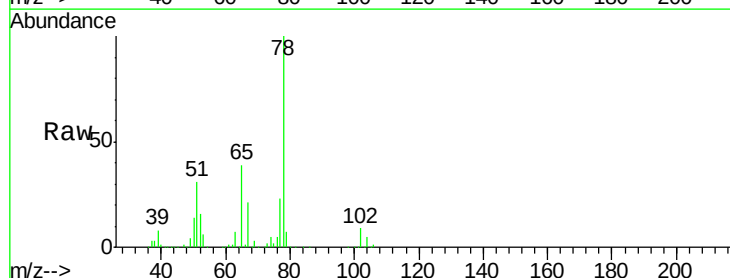
Manual Integrations
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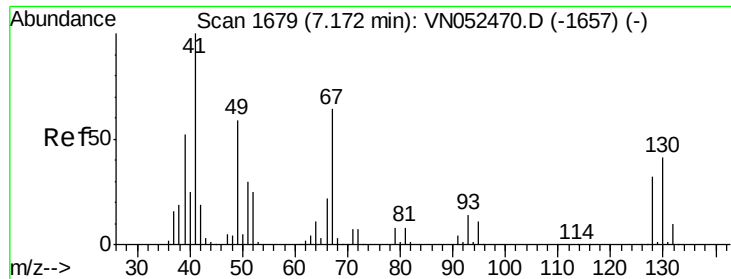
MMDadoda
12/11/2018 12:45:50 PM



#40
Benzene
Concen: 19.082 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





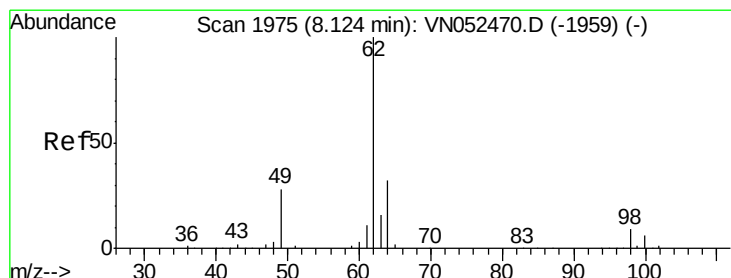
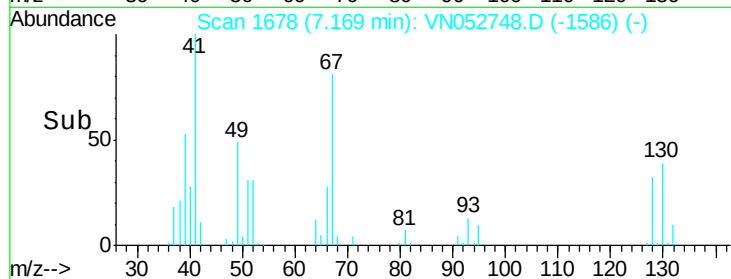
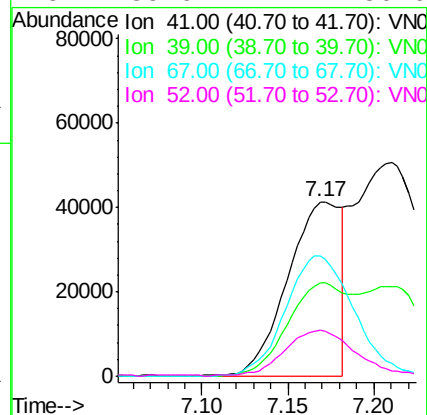
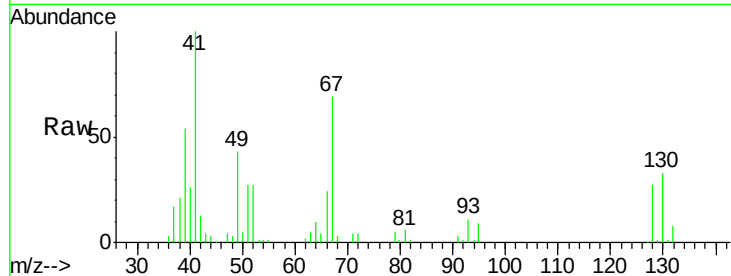
#41
Methacrylonitrile
Concen: 18.911 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	41	Resp	89491
Ion Ratio	Lower	Upper	
41	100		
39	61.2	50.9	76.3
67	90.0	63.6	95.4
52	35.6	24.4	36.6

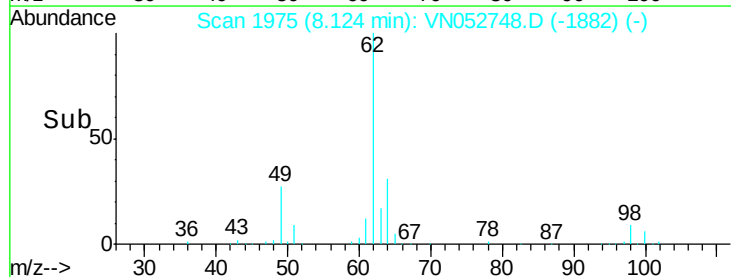
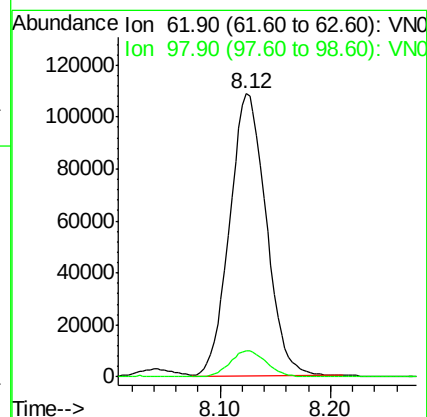
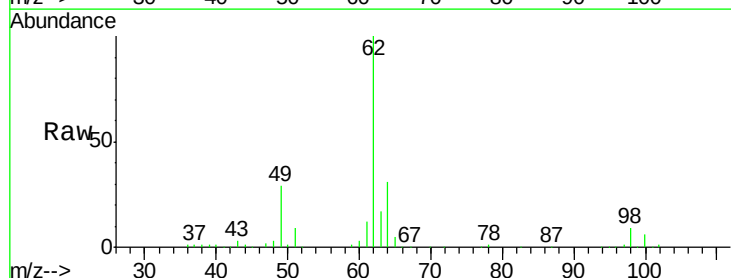
Manual Integrations
APPROVED

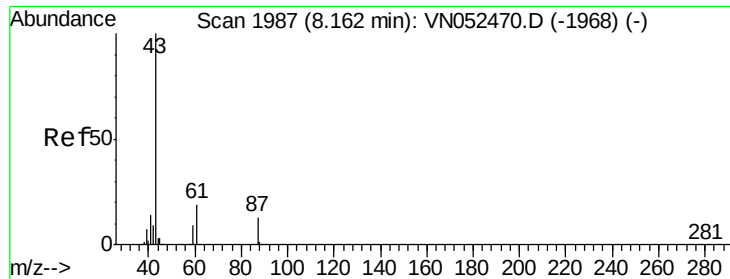
MMDadoda
12/11/2018 12:45:50 PM



#42
1,2-Dichloroethane
Concen: 19.465 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	62	Resp	249126
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.283 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

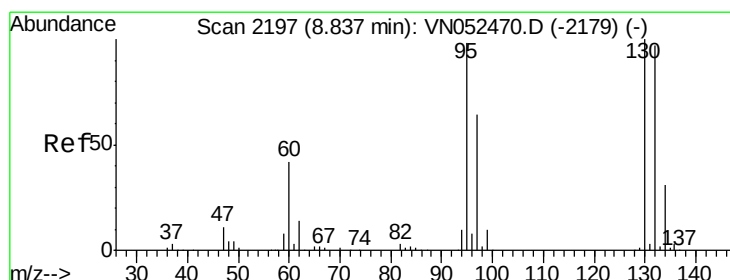
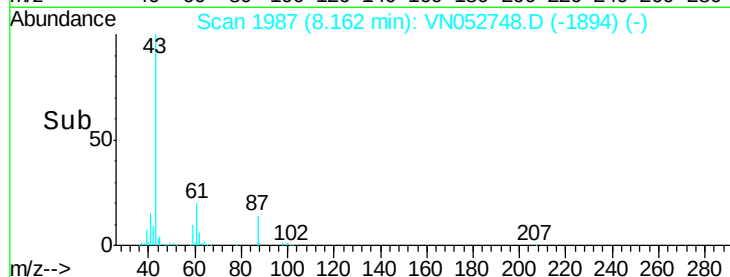
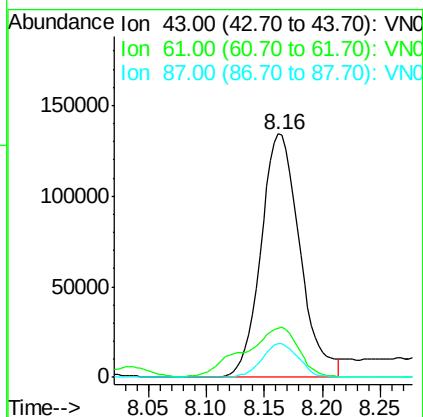
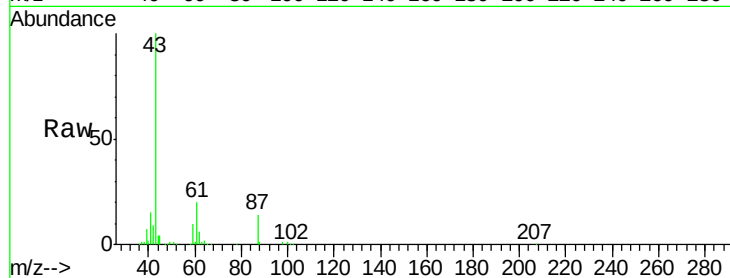
ClientSampleId :

VN1210WBS02

Tot Ion:	43	Resp:	311764
Ion	Ratio	Lower	Upper
43	100		
61	28.2	24.1	36.1
87	13.1	10.6	15.8

Manual Integrations
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MMDadoda
12/11/2018 12:45:50 PM



#44

Trichloroethene

Concen: 20.158 ug/l

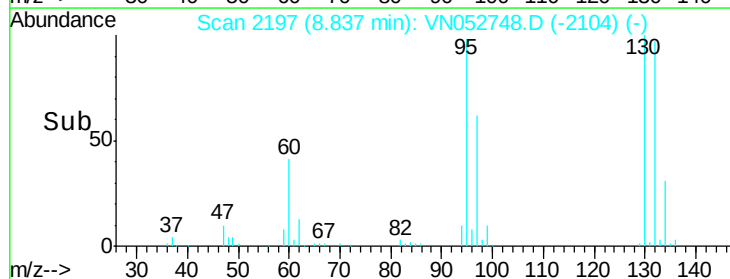
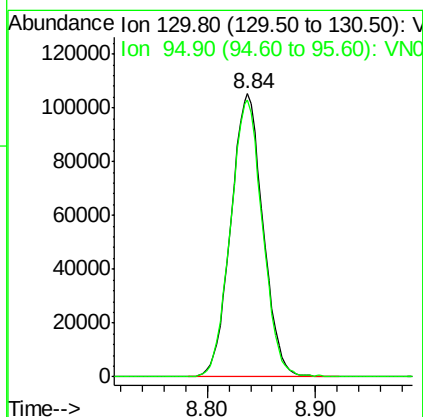
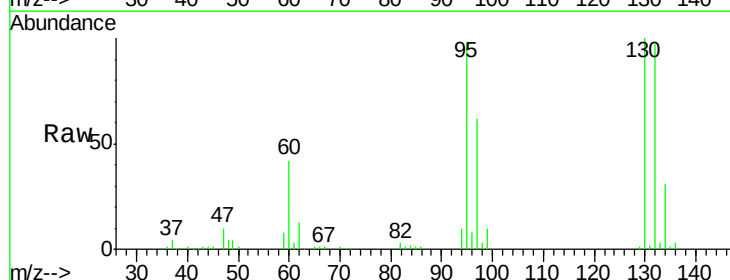
RT: 8.84 min Scan# 2197

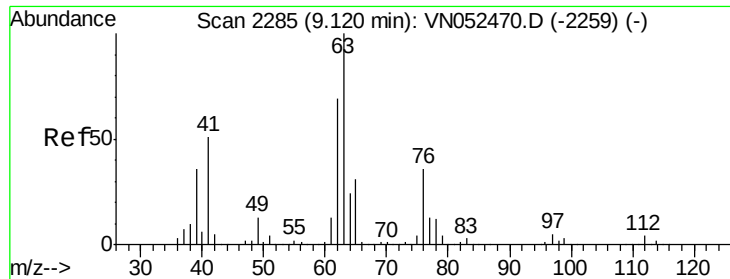
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	130	Resp:	218252
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	195.6





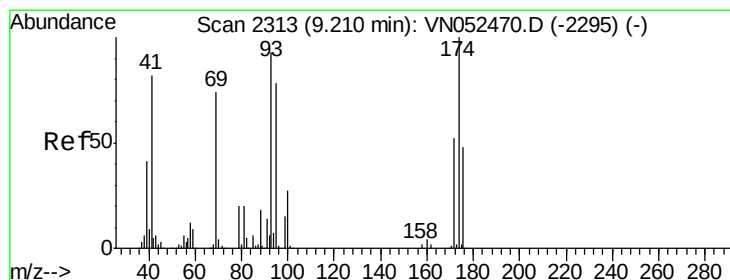
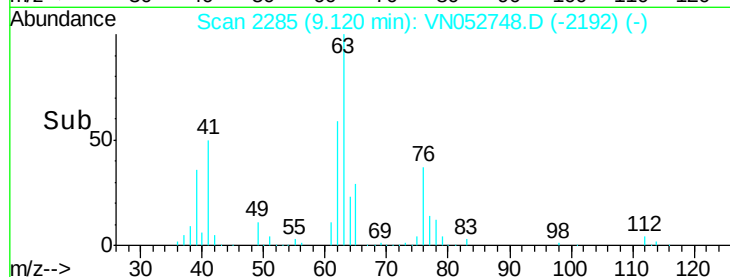
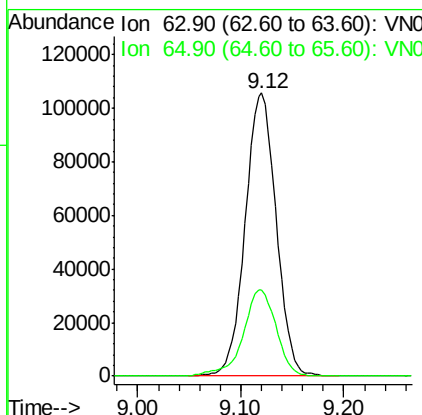
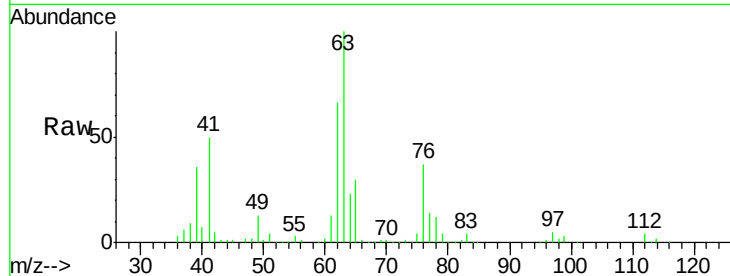
#45
 1,2-Dichloropropane
 Concen: 19.617 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.6

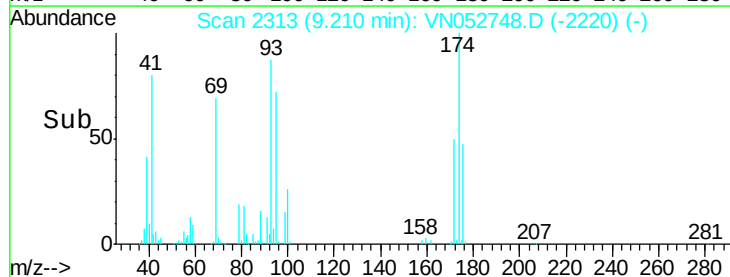
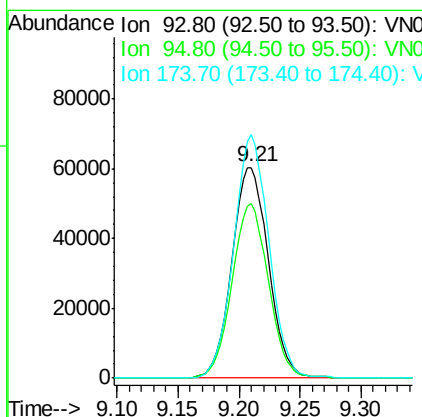
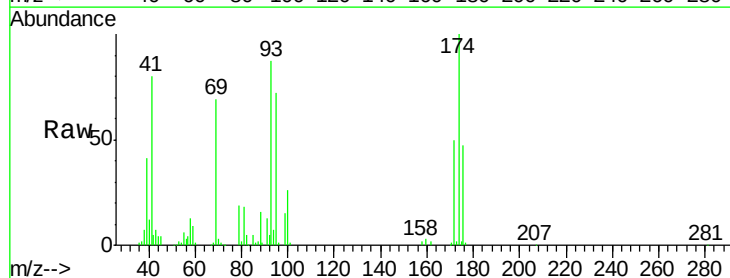
Manual Integrations
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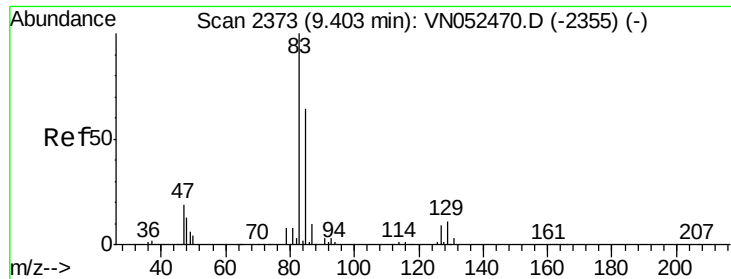
MMDadoda
 12/11/2018 12:45:50 PM



#46
 Dibromomethane
 Concen: 20.211 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.1	100.7
174	111.2	85.8	128.8





#47

Bromodichloromethane

Concen: 20.038 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

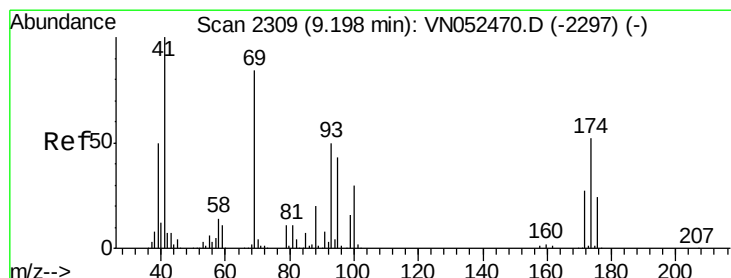
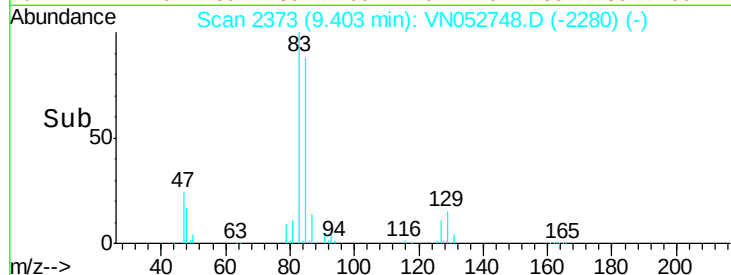
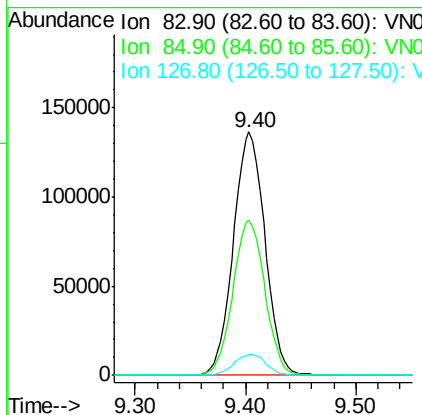
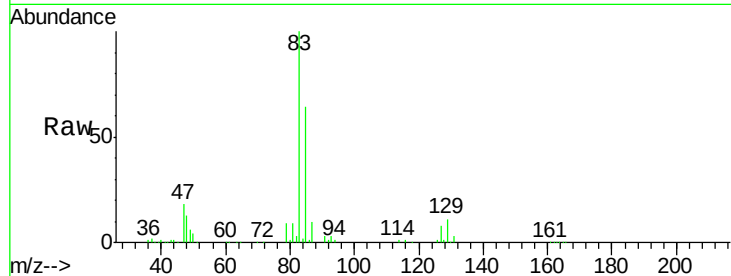
ClientSampleId :

VN1210WBS02

Tot Ion:	83	Resp:	271030
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.3	76.9
127	8.3	6.9	10.3

Manual Integrations
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MMDadoda
12/11/2018 12:45:50 PM



#48

Methyl methacrylate

Concen: 19.866 ug/l

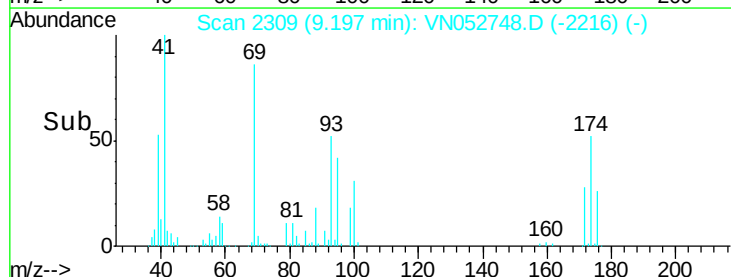
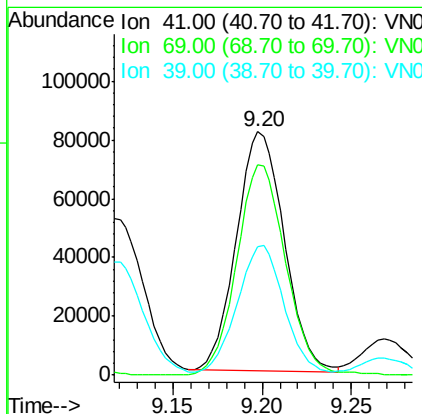
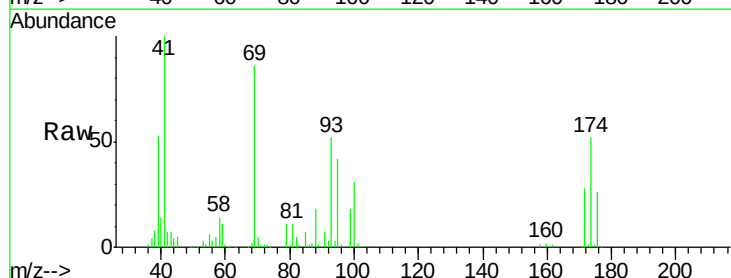
RT: 9.20 min Scan# 2309

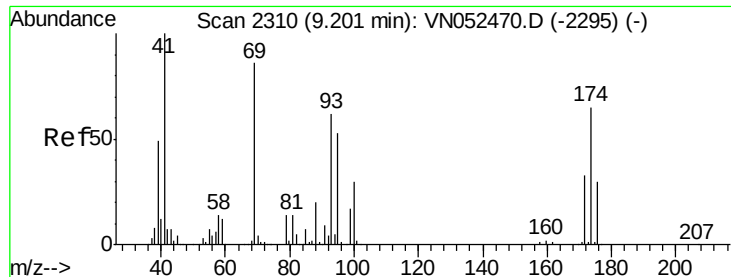
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	41	Resp:	151739
Ion	Ratio	Lower	Upper
41	100		
69	90.8	70.0	105.0
39	53.6	42.6	64.0





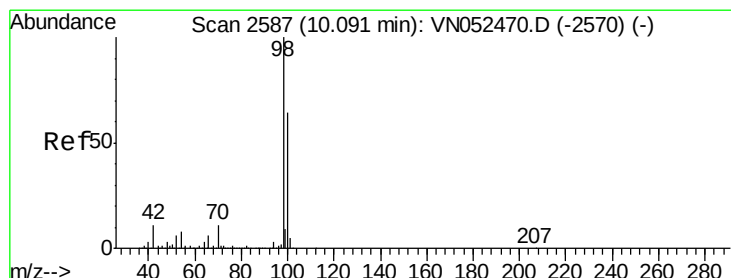
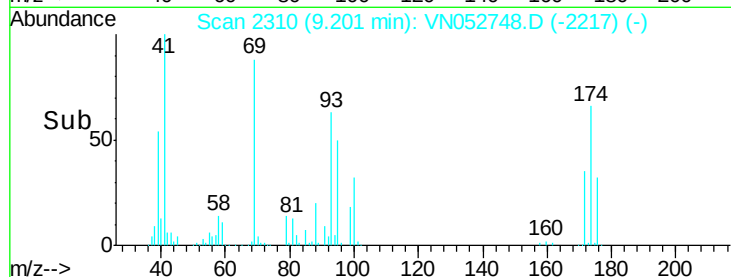
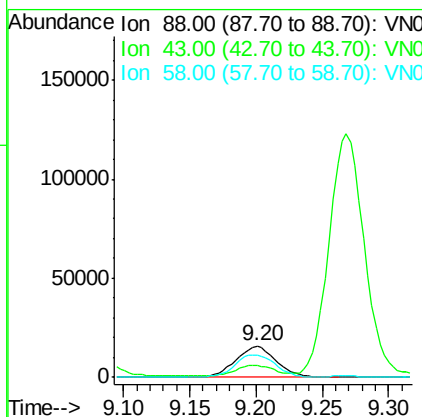
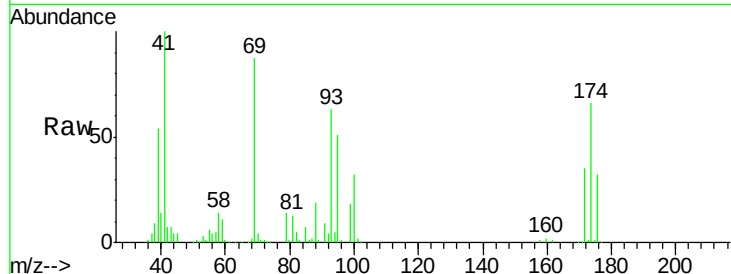
#49
1,4-Dioxane
Concen: 421.011 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.4	39.6
58	72.8	55.4	83.0

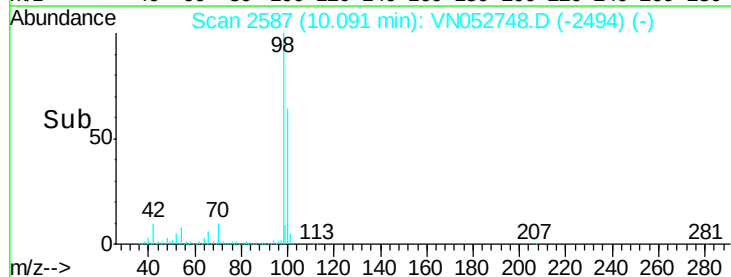
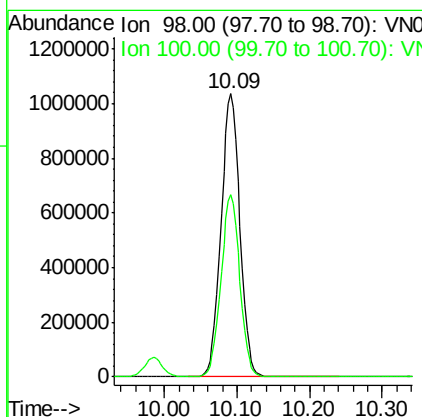
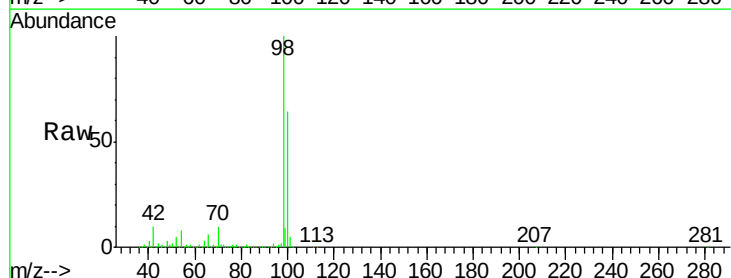
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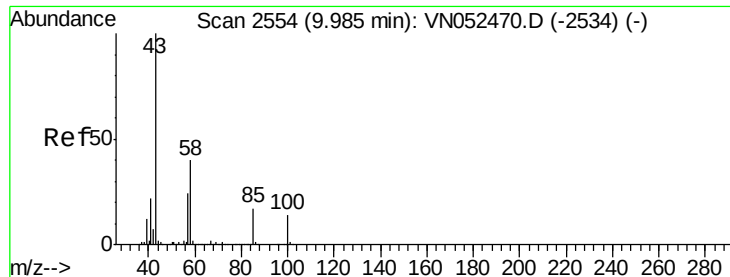
MMDadoda
12/11/2018 12:45:50 PM



#50
Toluene-d8
Concen: 421.011 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9





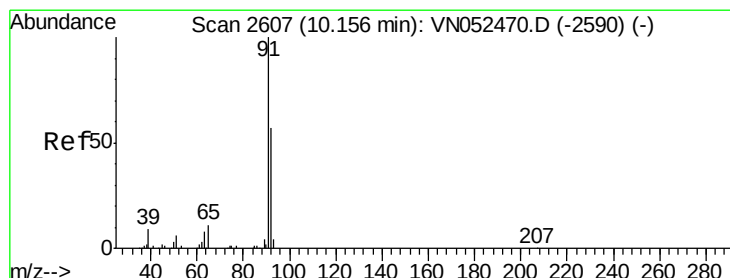
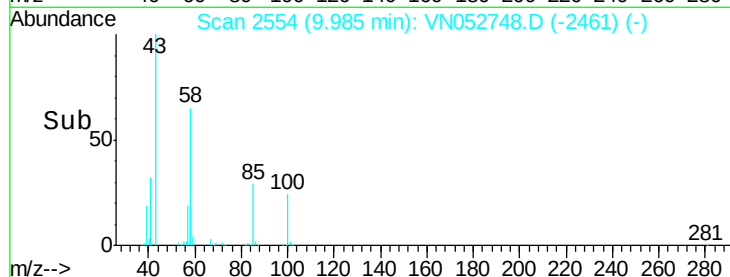
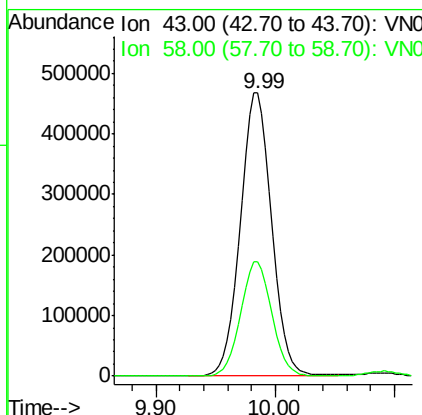
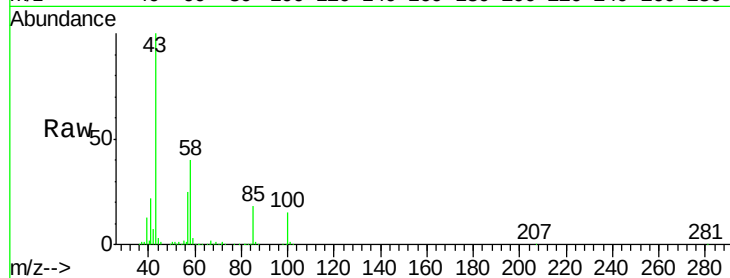
#51
4-Methyl-2-Pentanone
Concen: 103.108 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion: 43 Resp: 847429
Ion Ratio Lower Upper
43 100
58 40.5 31.5 47.3

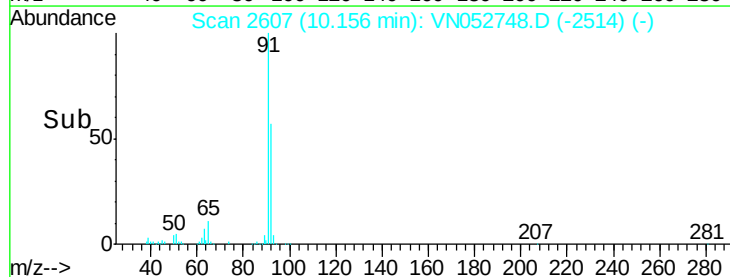
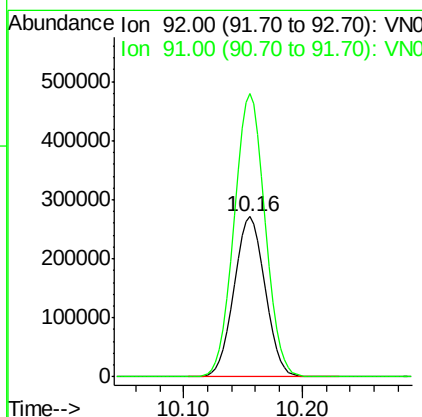
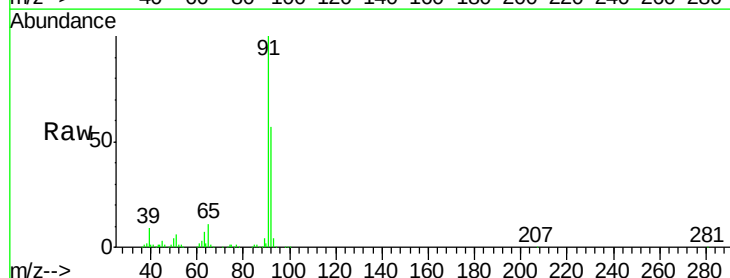
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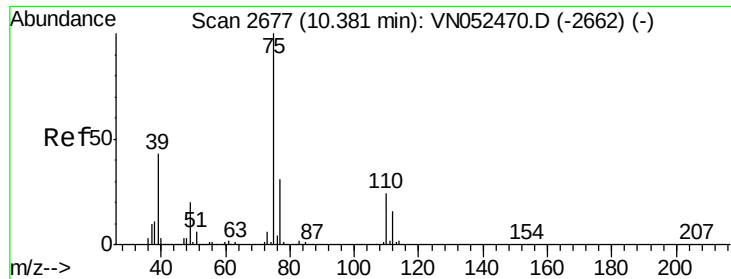
MMDadoda
12/11/2018 12:45:50 PM



#52
Toluene
Concen: 19.596 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion: 92 Resp: 492136
Ion Ratio Lower Upper
92 100
91 175.7 141.0 211.4





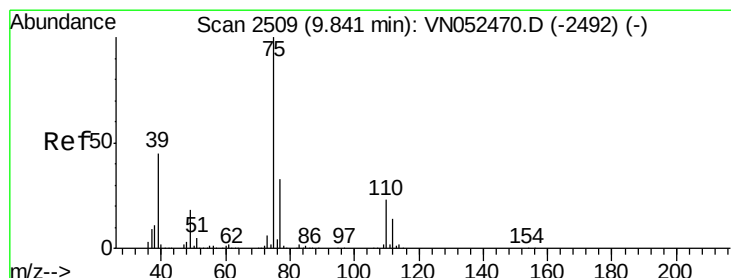
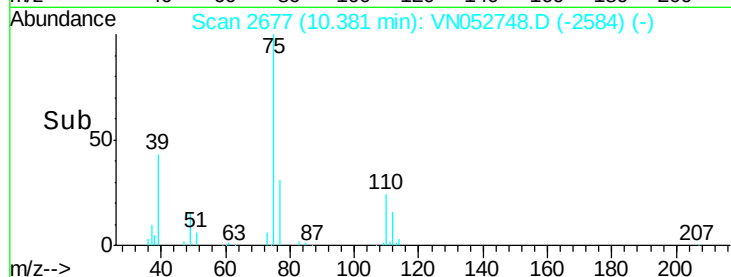
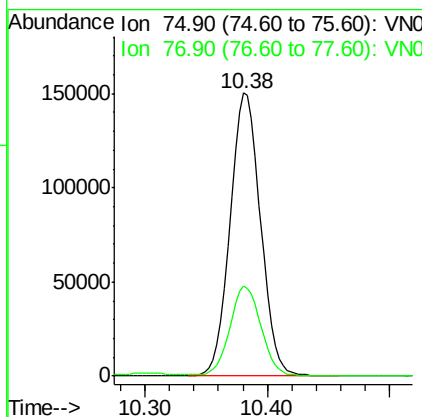
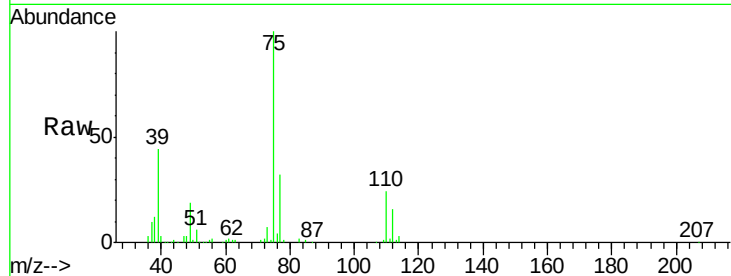
#53
t-1,3-Dichloropropene
Concen: 20.108 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4

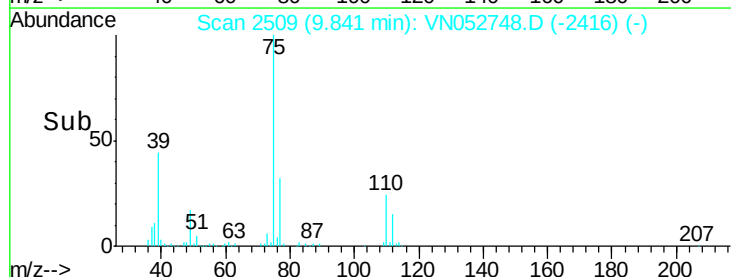
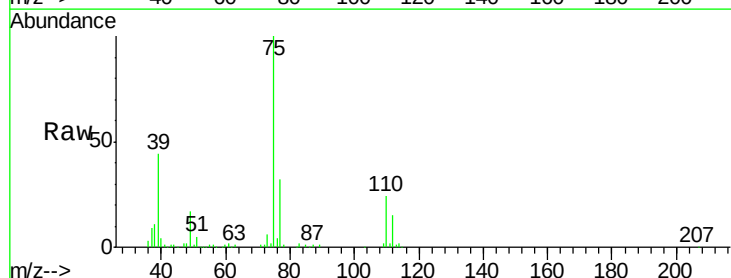
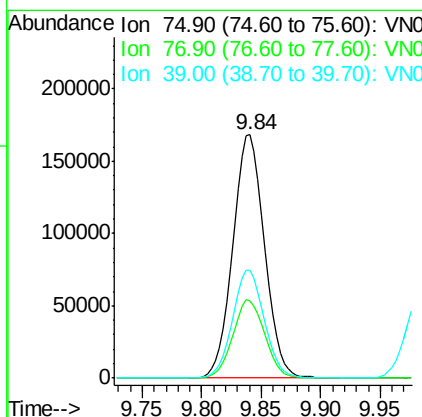
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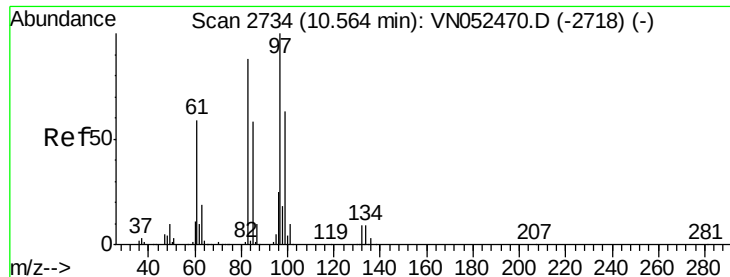
MMDadoda
12/11/2018 12:45:50 PM



#54
cis-1,3-Dichloropropene
Concen: 19.932 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.2
39	44.1	36.0	54.0





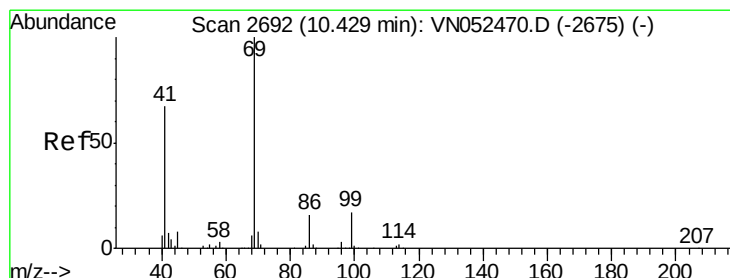
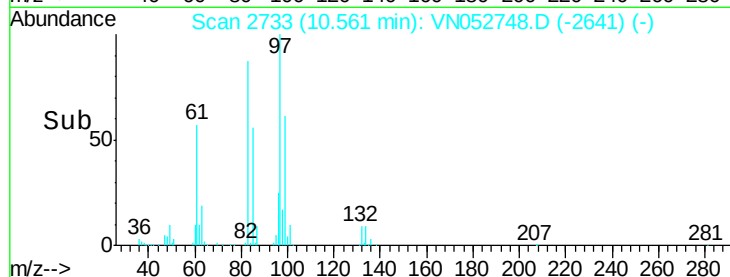
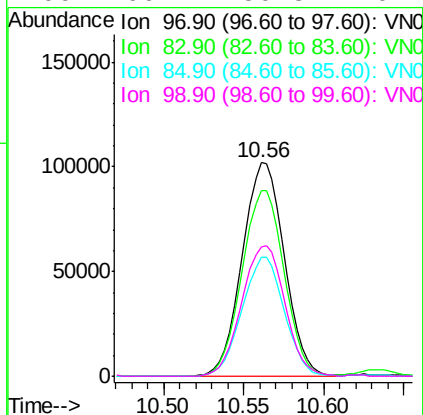
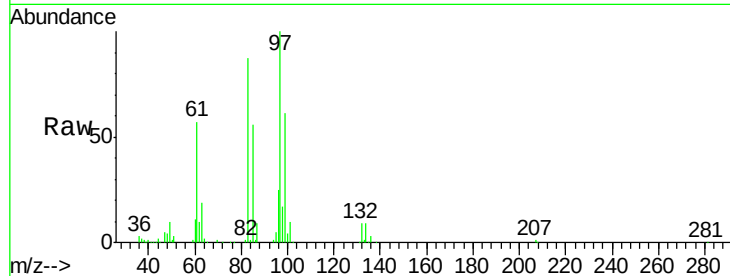
#55
 1,1,2-Trichloroethane
 Concen: 20.779 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion:	97	Resp:	183560
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.7	106.1
85	55.8	46.1	69.1
99	60.7	50.8	76.2

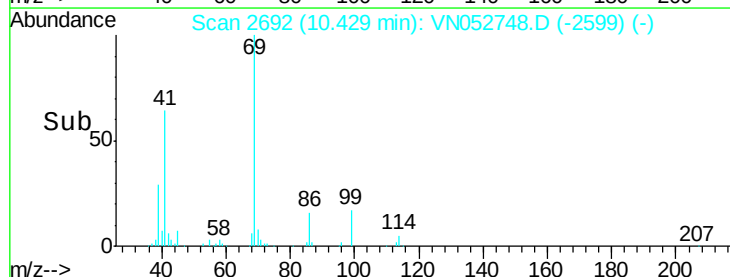
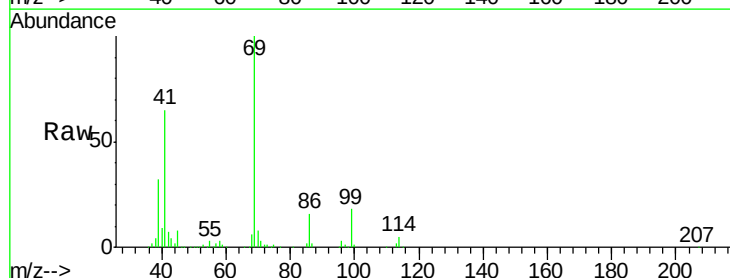
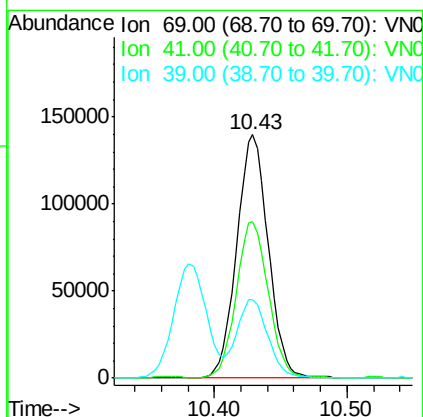
Manual Integrations
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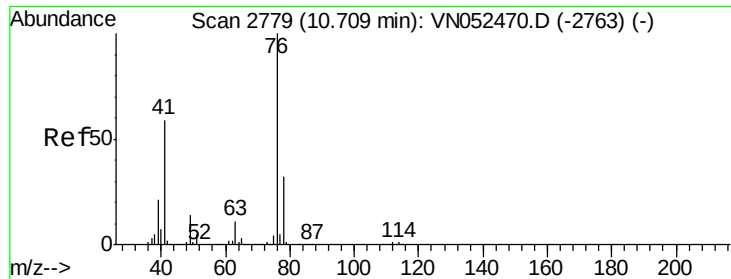
MMDadoda
 12/11/2018 12:45:50 PM



#56
 Ethyl methacrylate
 Concen: 20.499 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion:	69	Resp:	230853
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.6	79.0
39	31.6	25.9	38.9





#57

1,3-Dichloropropane

Concen: 20.074 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion: 76 Resp: 313124

Ion Ratio Lower Upper

76 100

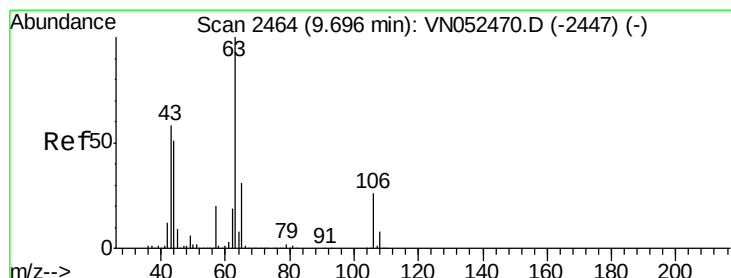
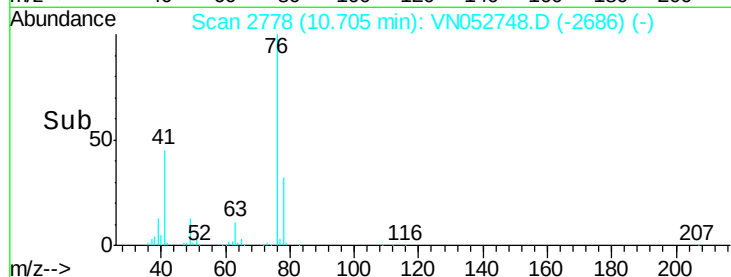
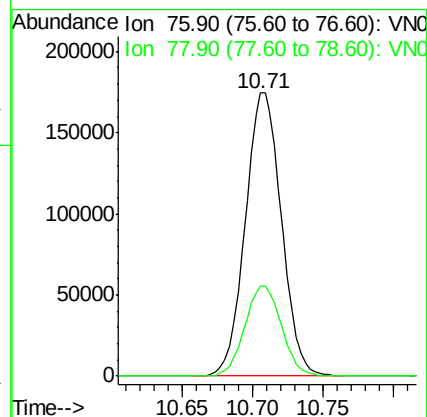
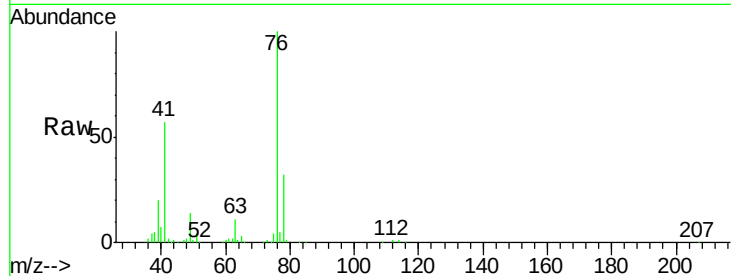
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

12/11/2018 12:45:50 PM



#58

2-Chloroethyl Vinyl ether

Concen: 102.460 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052748.D

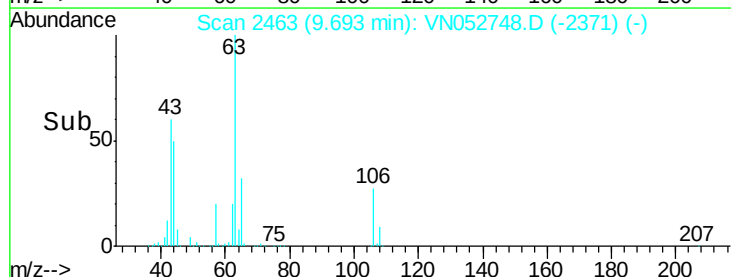
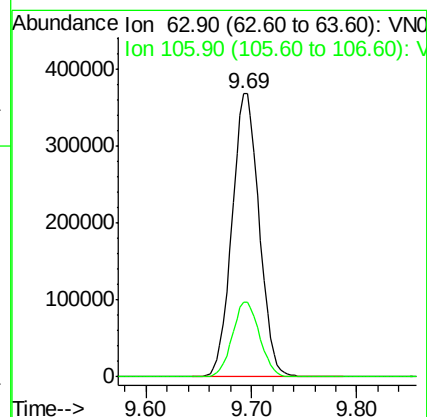
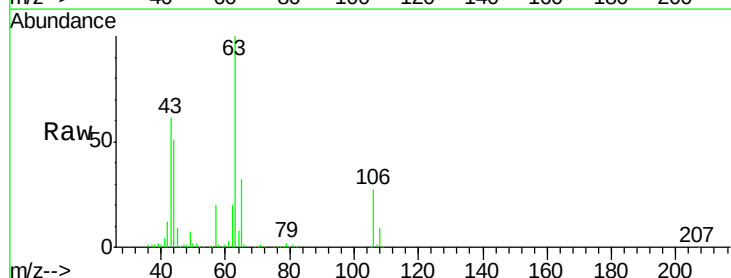
Acq: 10 Dec 2018 12:57

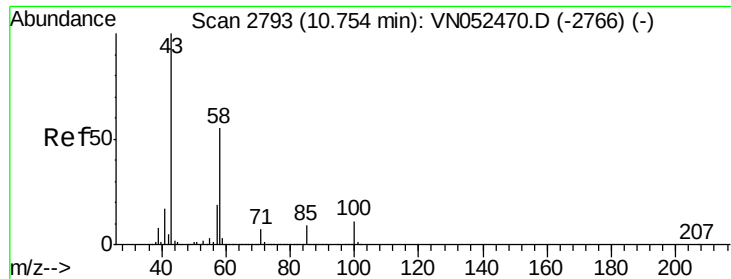
Tgt Ion: 63 Resp: 656777

Ion Ratio Lower Upper

63 100

106 26.6 20.6 30.8





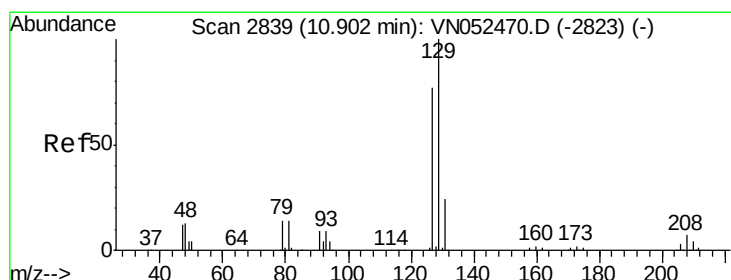
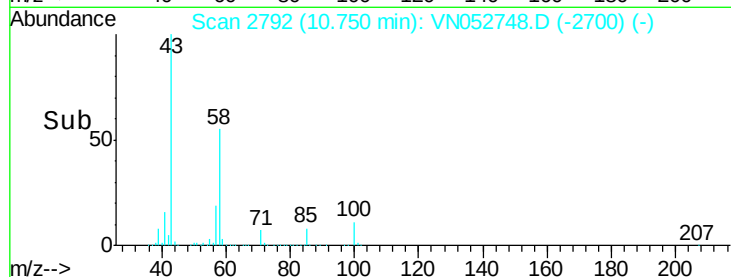
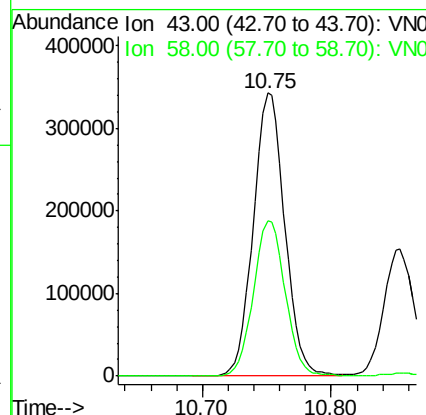
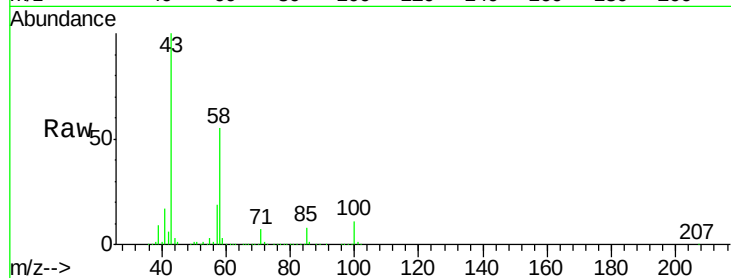
#59
2-Hexanone
Concen: 105.494 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.4	82.0

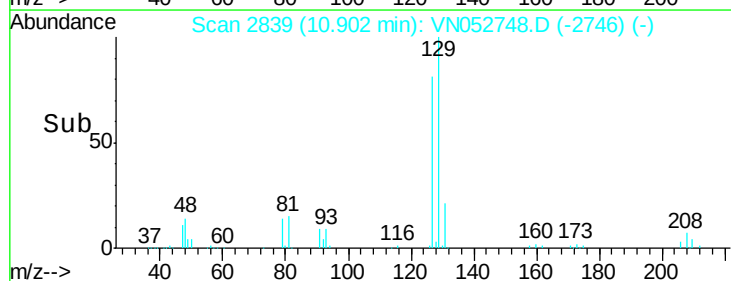
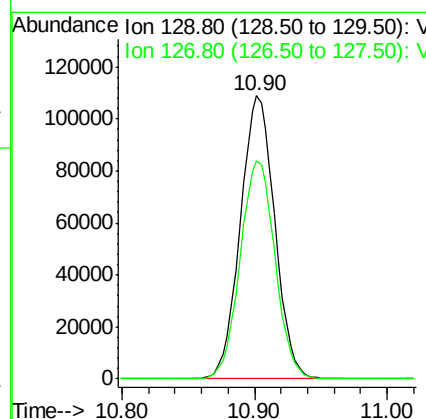
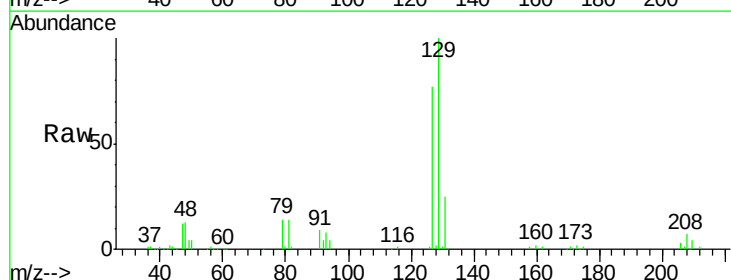
Manual Integrations
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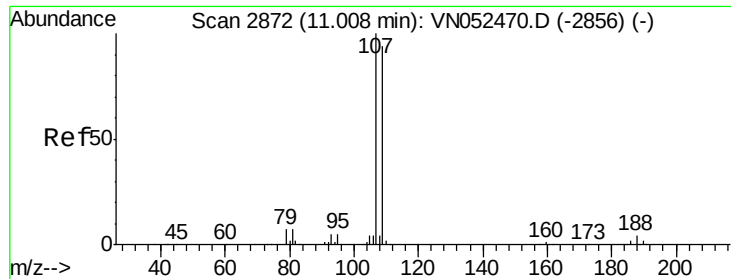
MMDadoda
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#60
Dibromochloromethane
Concen: 20.401 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.9	116.6





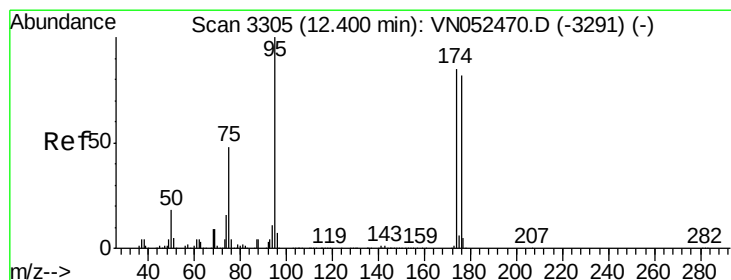
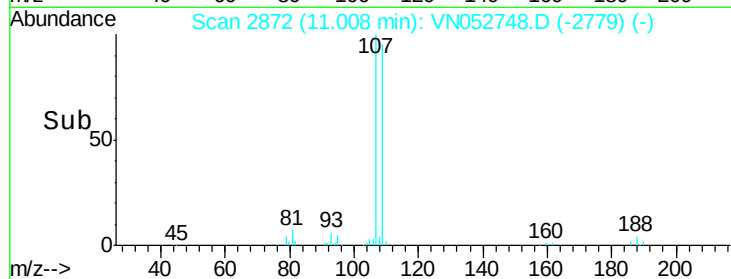
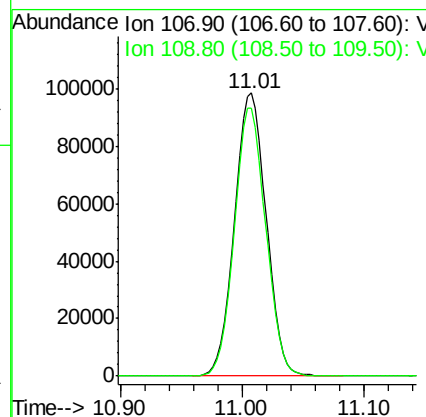
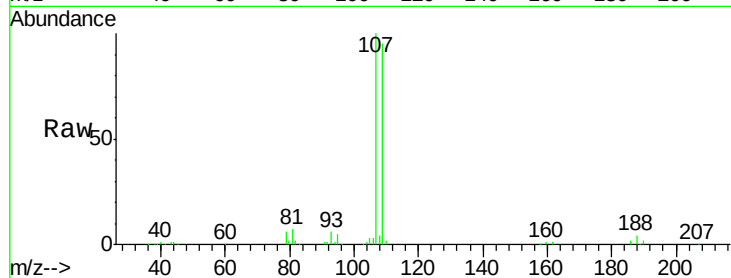
#61
 1,2-Dibromoethane
 Concen: 20.305 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	178155		
109	93.8	75.6	113.4	

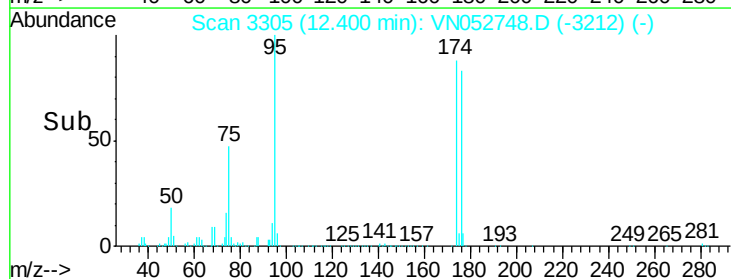
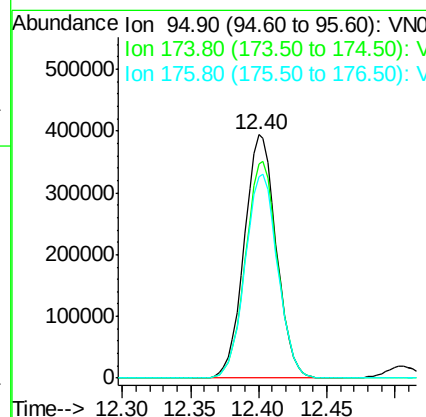
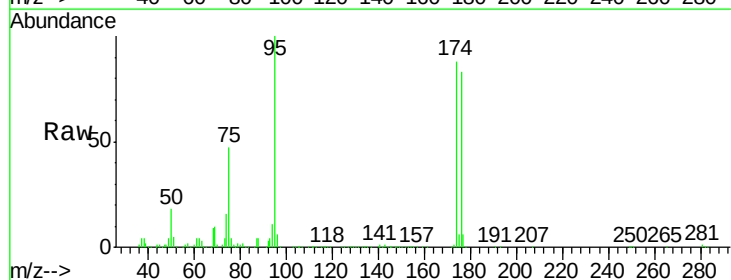
Manual Integrations
 APPROVED

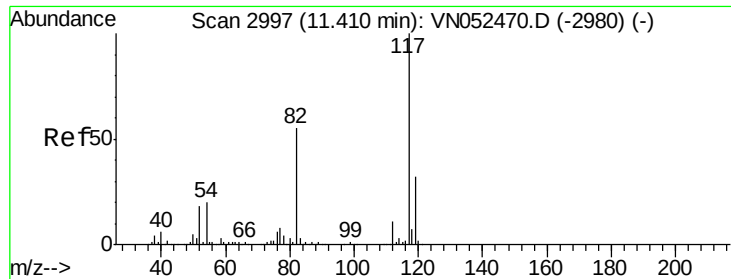
MMDadoda
 12/11/2018 12:45:50 PM



#62
 4-Bromofluorobenzene
 Concen: 20.305 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	640918		
174	88.8	0.0	173.0	
176	85.1	0.0	166.2	





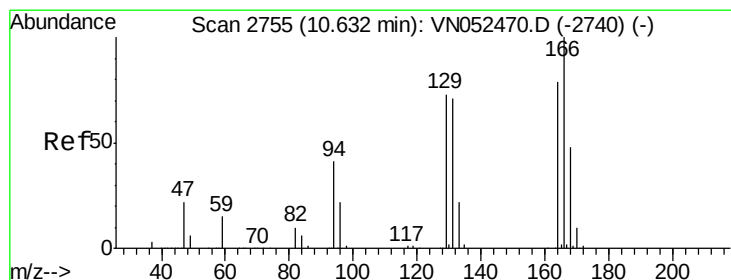
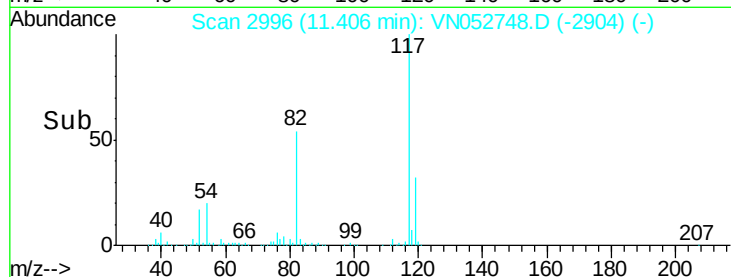
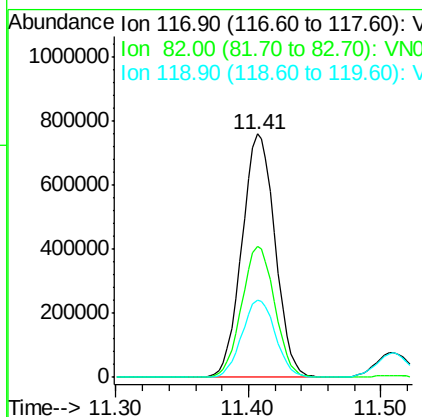
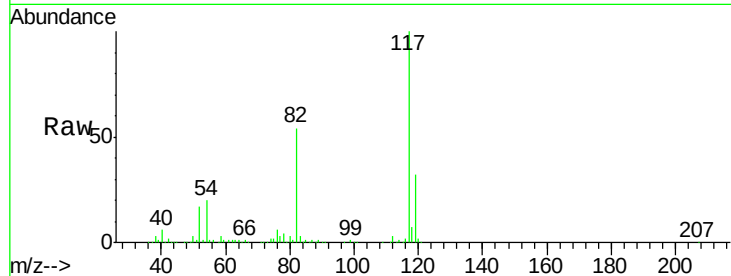
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion:117 Resp: 1315891
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 31.9 25.4 38.2

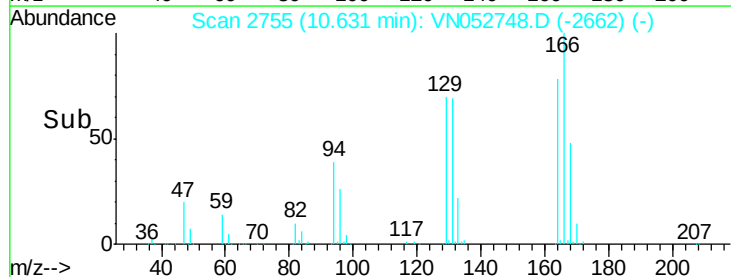
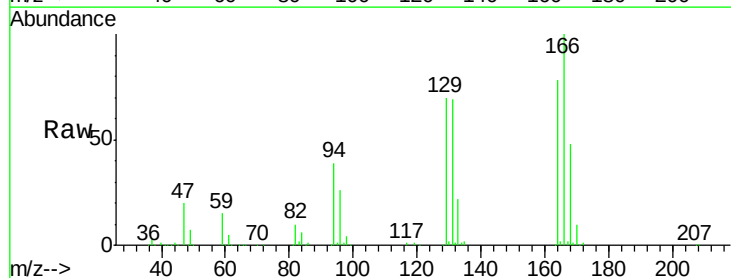
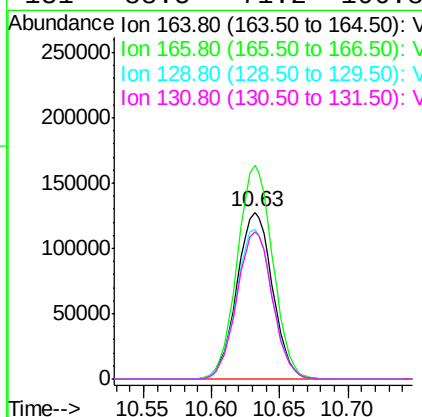
Manual Integrations
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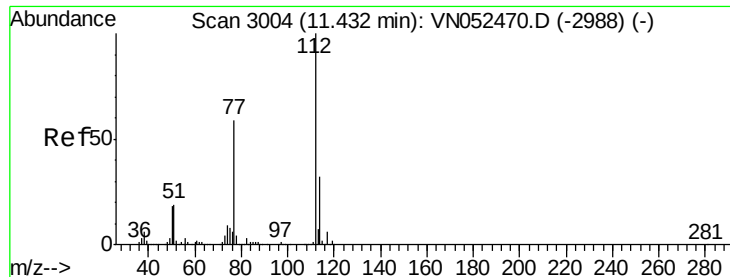
MMDadoda
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#64
Tetrachloroethene
Concen: 22.691 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion:164 Resp: 231502
Ion Ratio Lower Upper
164 100
166 128.3 101.0 151.4
129 90.2 73.8 110.6
131 88.5 71.2 106.8





#65

Chlorobenzene

Concen: 20.231 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion:112 Resp: 548935

Ion Ratio Lower Upper

112 100

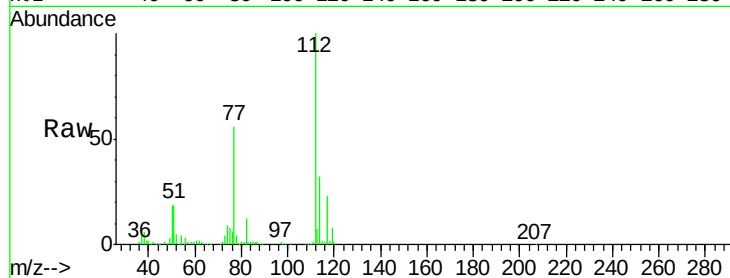
114 31.8 25.8 38.6

Manual Integrations

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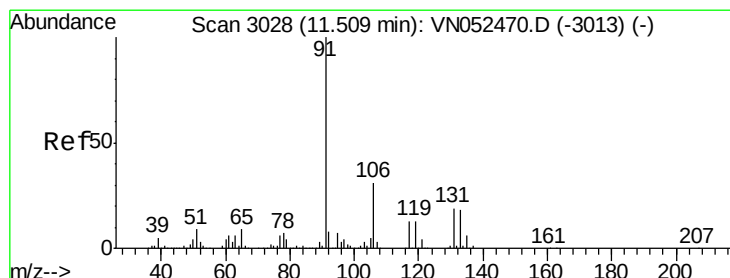
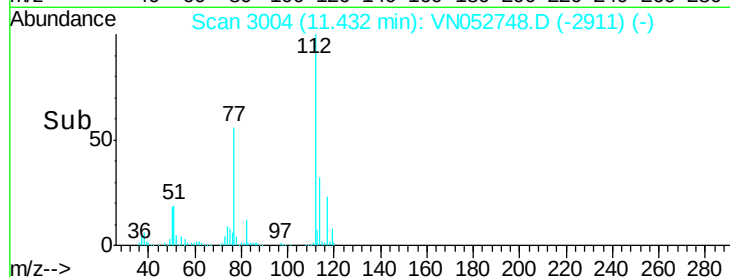
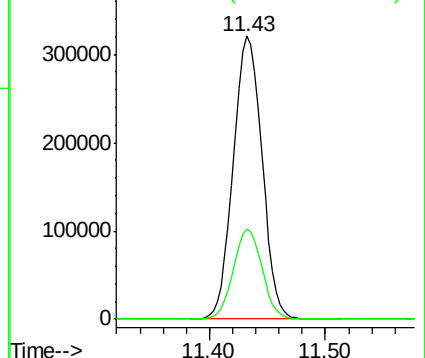
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.629 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

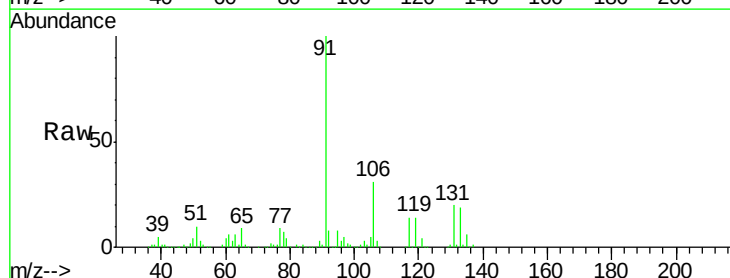
Tgt Ion:131 Resp: 194626

Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.8

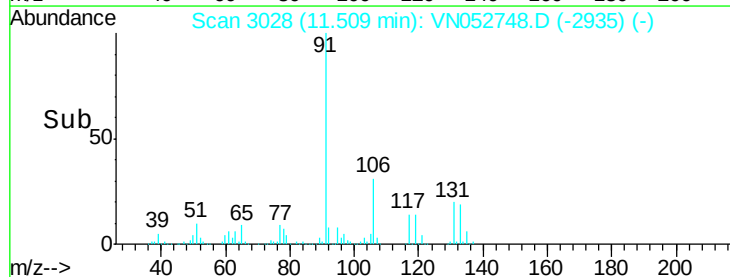
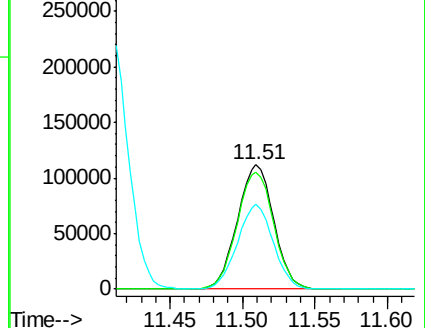
119 67.5 33.2 99.6

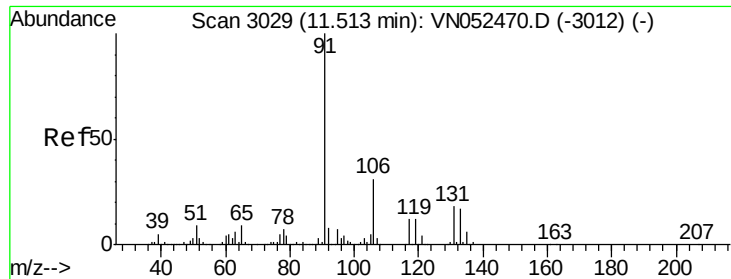


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.730 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion: 91 Resp: 937486

Ion Ratio Lower Upper

91 100

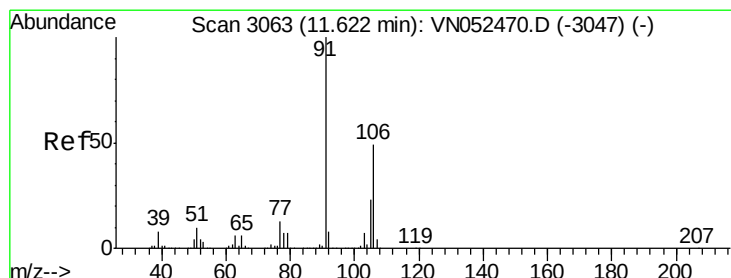
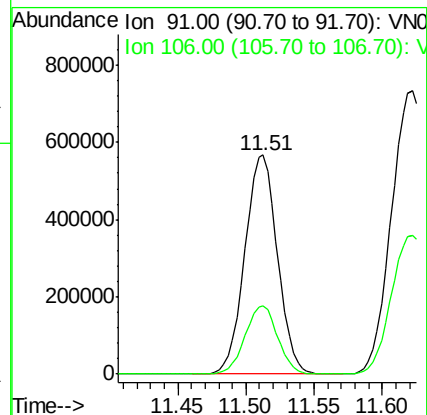
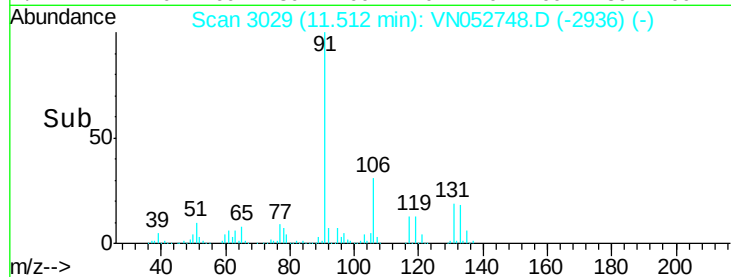
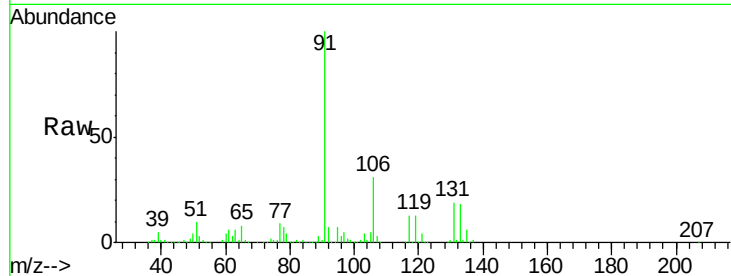
106 31.4 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.140 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052748.D

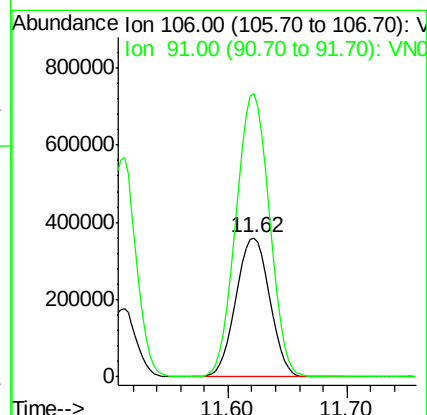
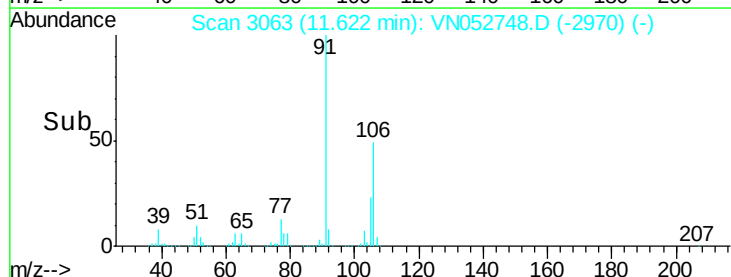
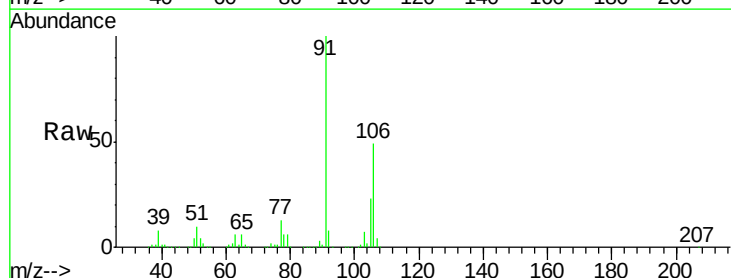
Acq: 10 Dec 2018 12:57

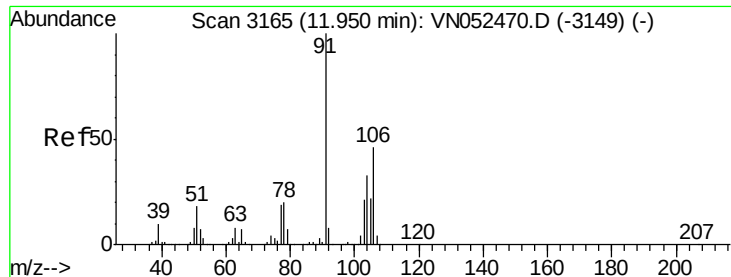
Tgt Ion: 106 Resp: 710034

Ion Ratio Lower Upper

106 100

91 201.8 163.2 244.8





#69

o-Xylene

Concen: 20.400 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion:106 Resp: 350428

Ion Ratio Lower Upper

106 100

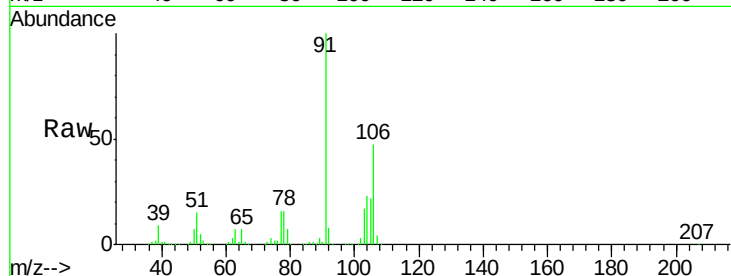
91 213.6 107.7 323.1

Manual Integrations

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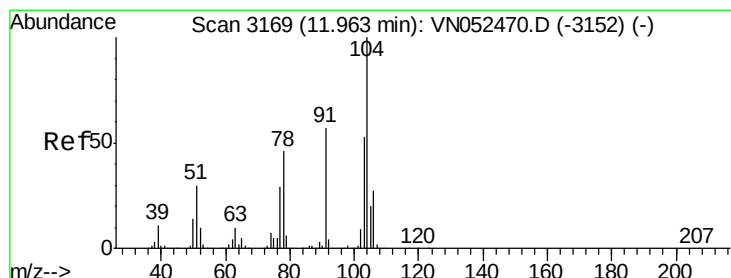
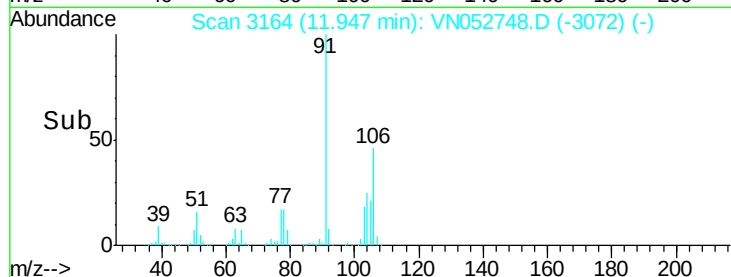
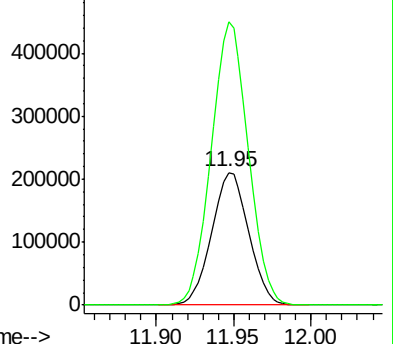
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.624 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

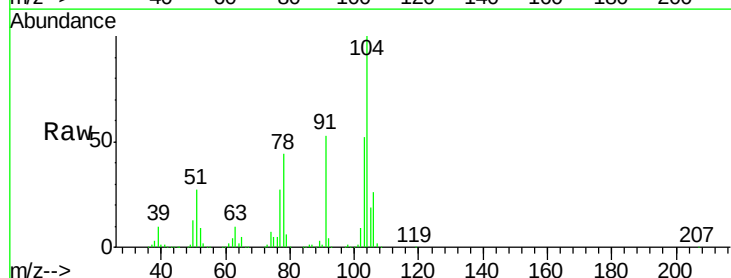
Tgt Ion:104 Resp: 564262

Ion Ratio Lower Upper

104 100

78 48.9 39.4 59.2

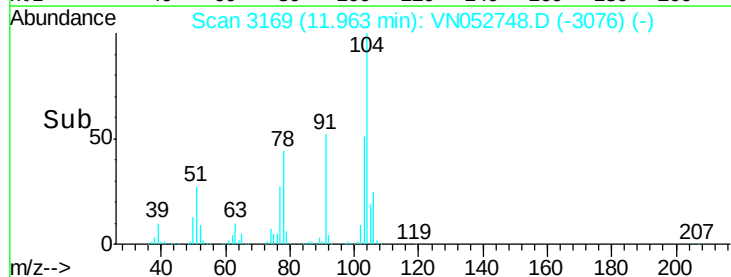
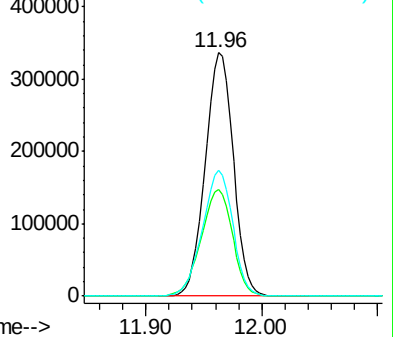
103 55.7 44.9 67.3

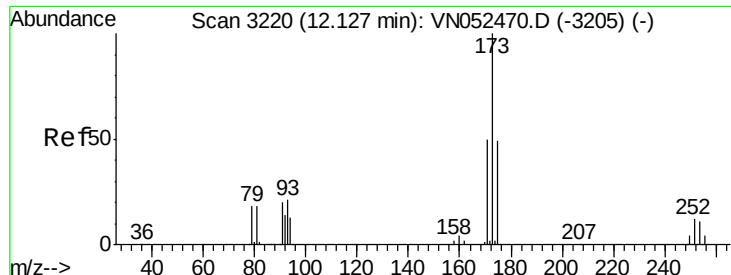


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





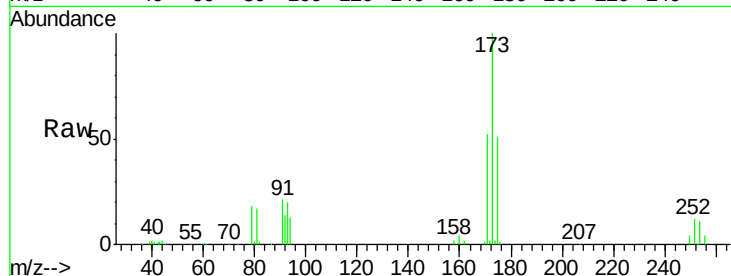
#71
Bromoform
Concen: 20.730 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

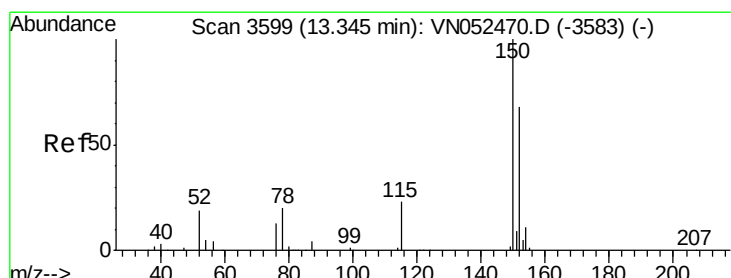
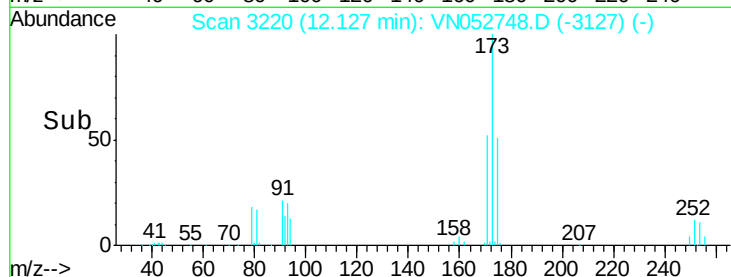
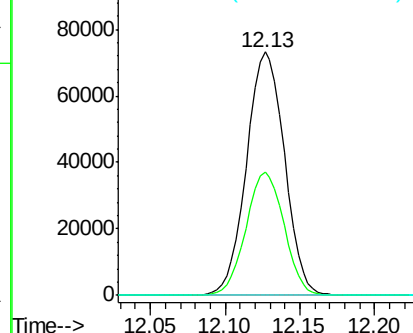
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.4	73.2
254	0.0	0.1	0.1#

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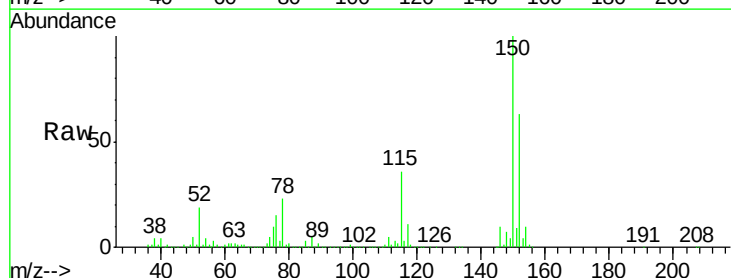


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

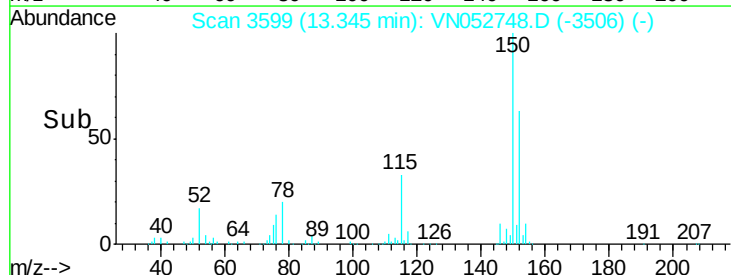
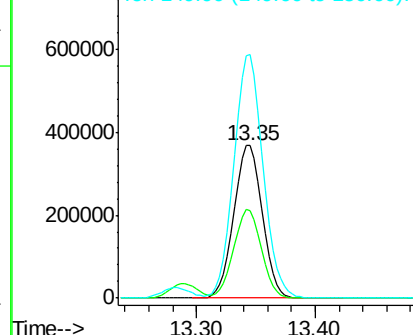


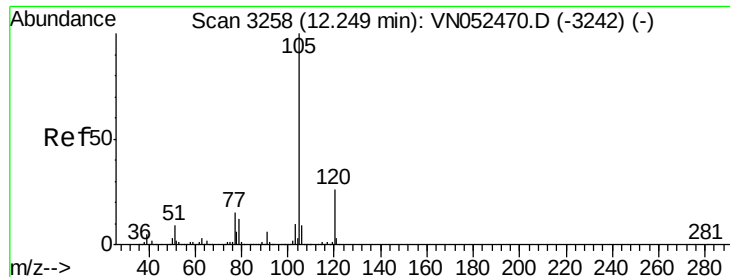
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.4	85.2
150	163.8	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.507 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion: 105 Resp: 931076

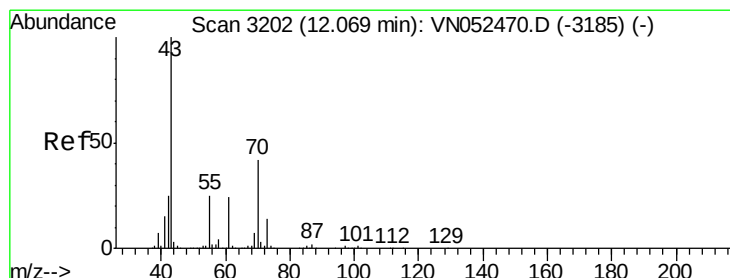
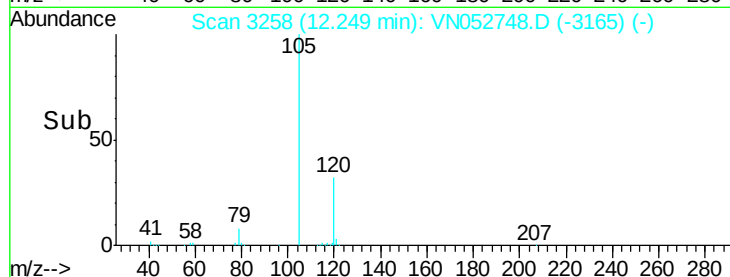
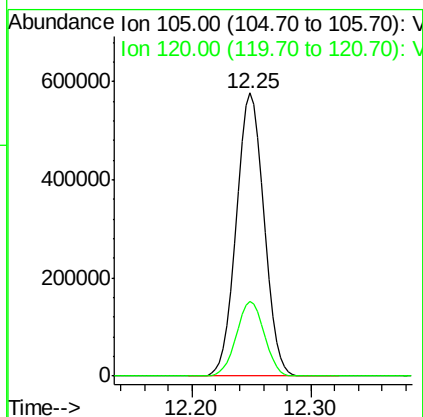
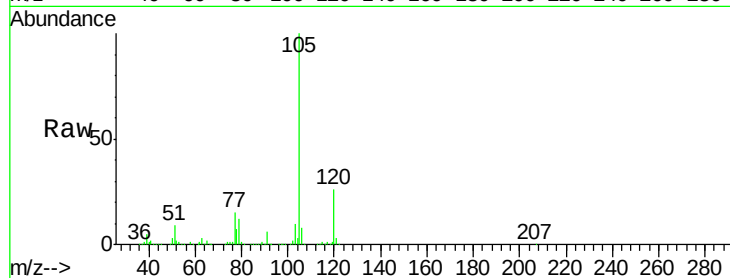
Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.723 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion: 43 Resp: 261944

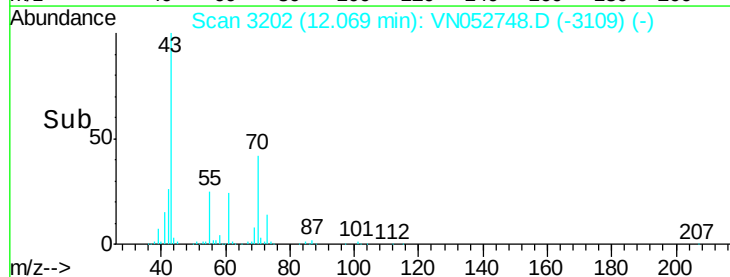
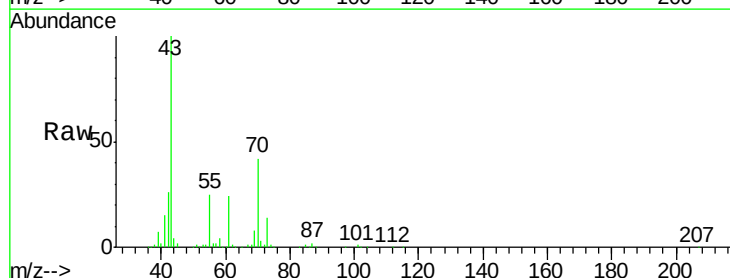
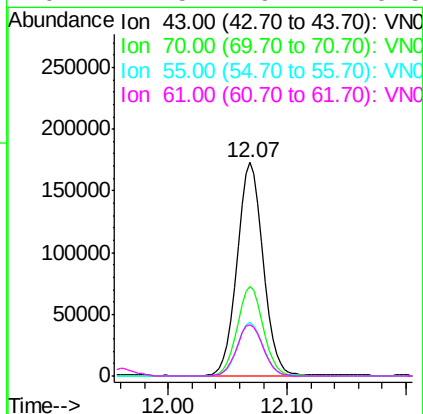
Ion Ratio Lower Upper

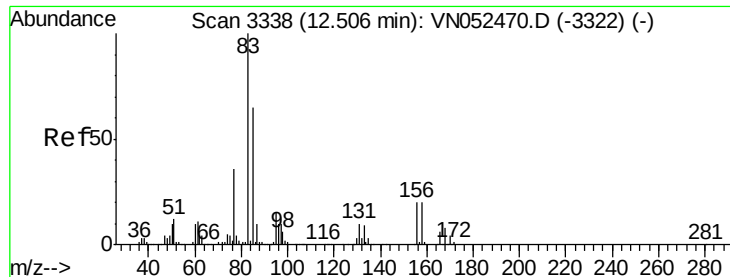
43 100

70 42.3 33.8 50.8

55 25.2 20.0 30.0

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

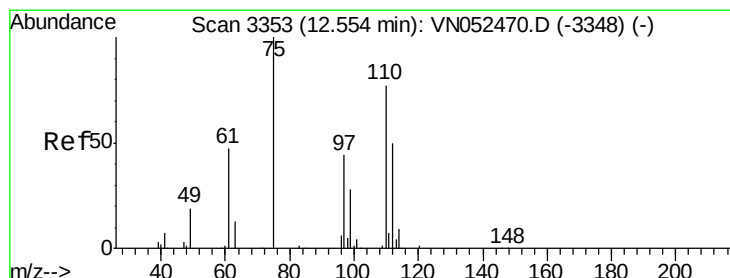
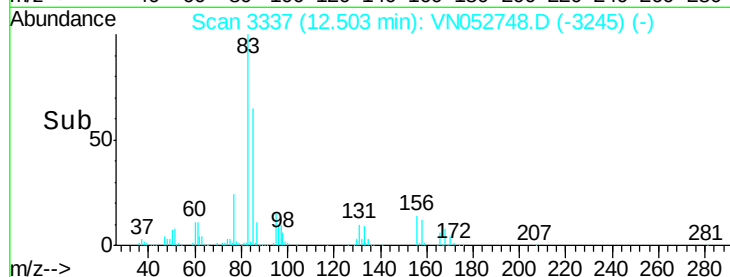
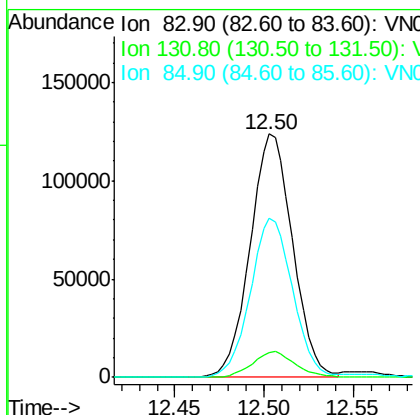
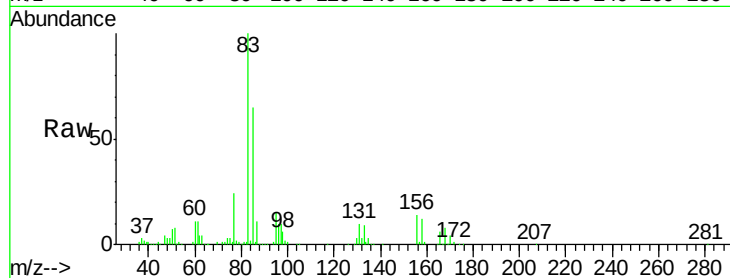
ClientSampleId :

VN1210WBS02

Tot Ion:	83	Resp:	205889
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	64.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.587 ug/l m

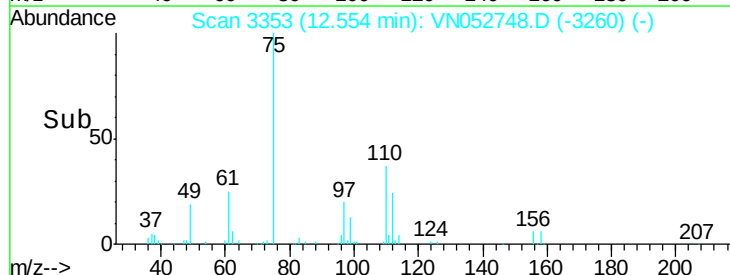
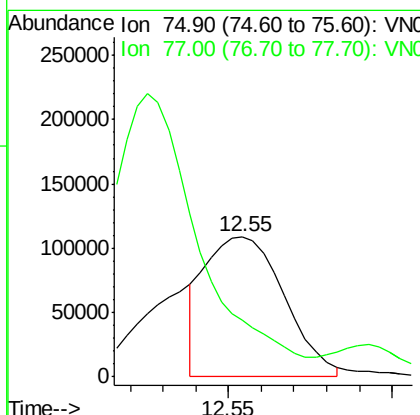
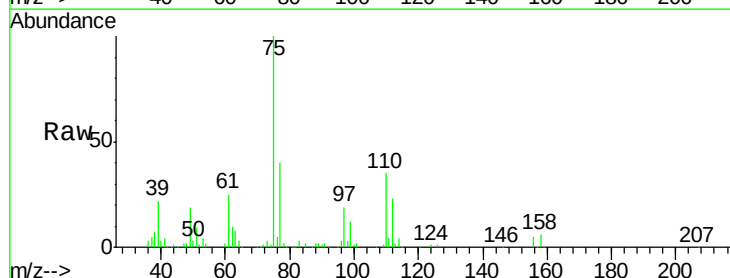
RT: 12.55 min Scan# 3353

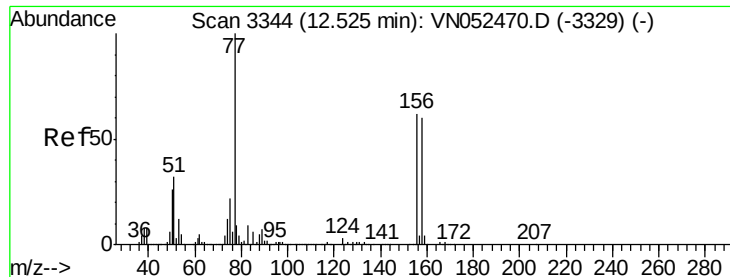
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	75	Resp:	183752
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.038 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

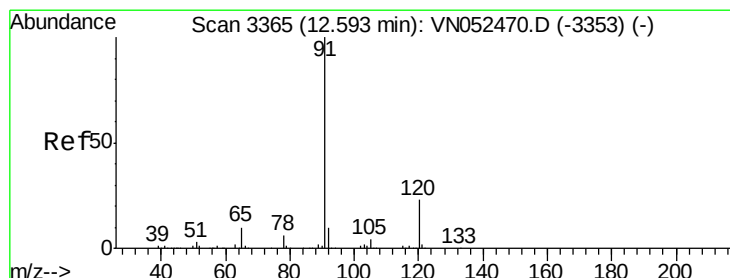
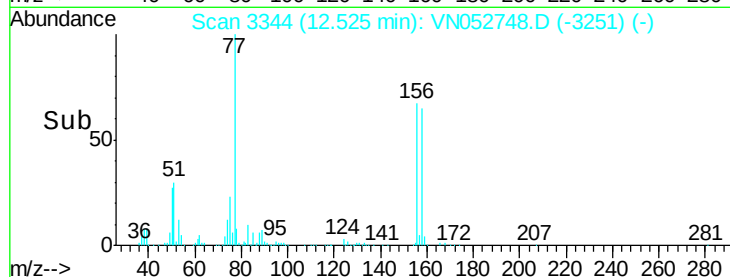
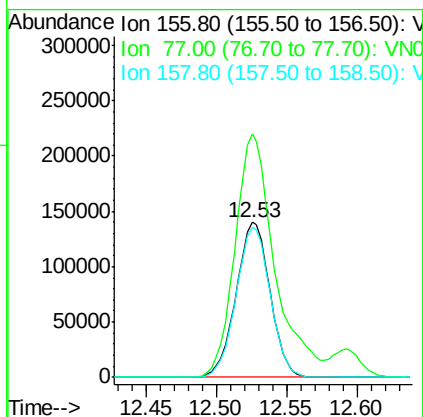
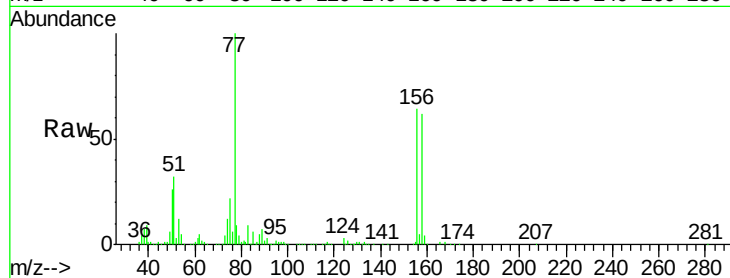
ClientSampleId :

VN1210WBS02

Tot Ion:	156	Resp:	236398
Ion Ratio	Lower	Upper	
156	100		
77	184.0	93.5	280.4
158	97.2	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.547 ug/l

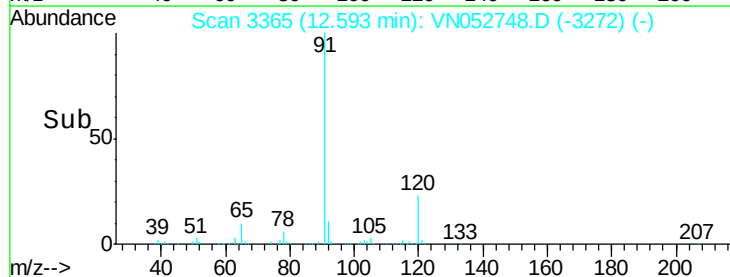
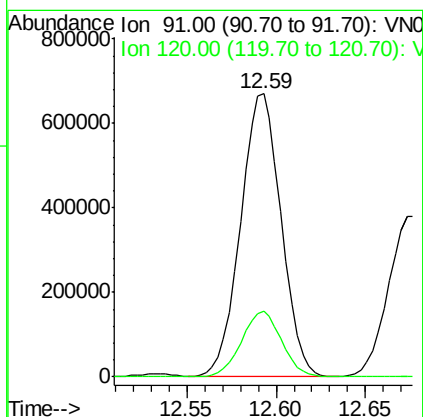
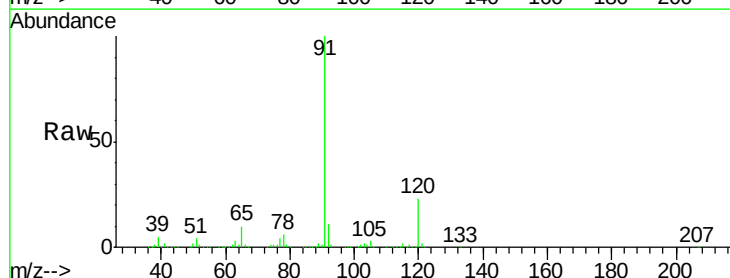
RT: 12.59 min Scan# 3365

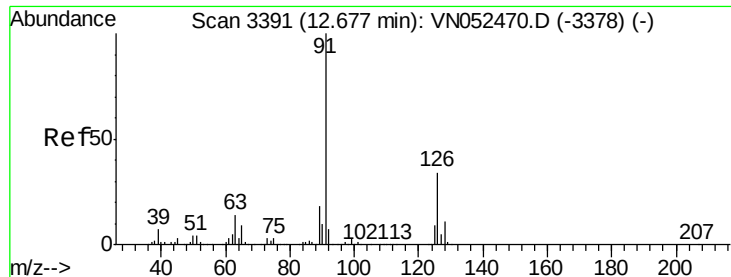
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	91	Resp:	1059930
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.577 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS02

Tot Ion: 91 Resp: 632143

Ion Ratio Lower Upper

91 100

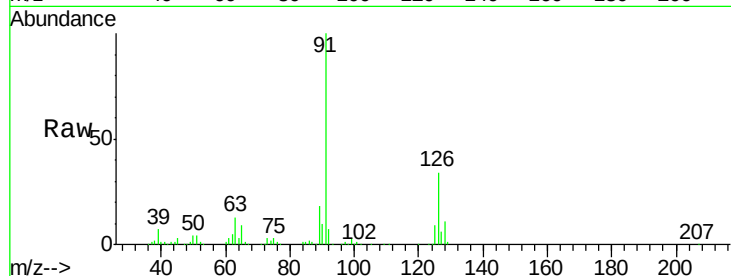
126 34.2 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052748.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052748.D (-3391) (-)

600000

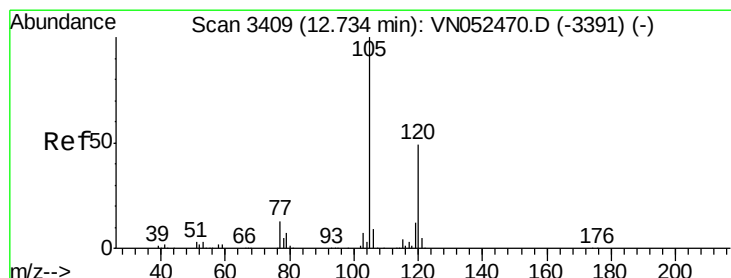
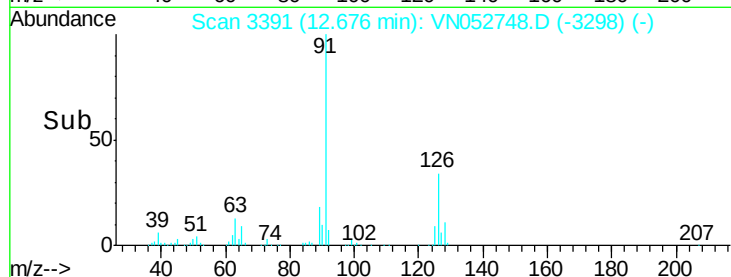
400000

200000

0

12.68

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.867 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052748.D

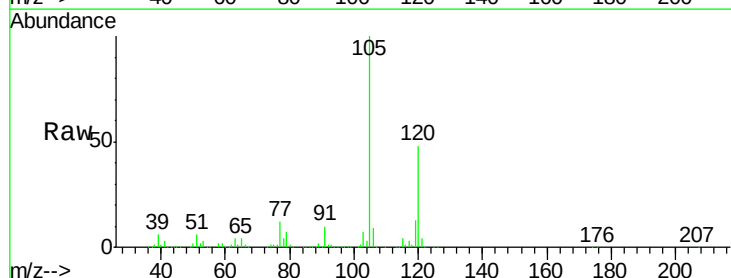
Acq: 10 Dec 2018 12:57

Tgt Ion: 105 Resp: 756258

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052748.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052748.D (-3409) (-)

500000

400000

300000

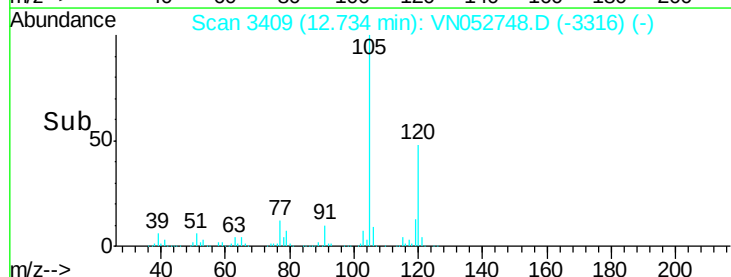
200000

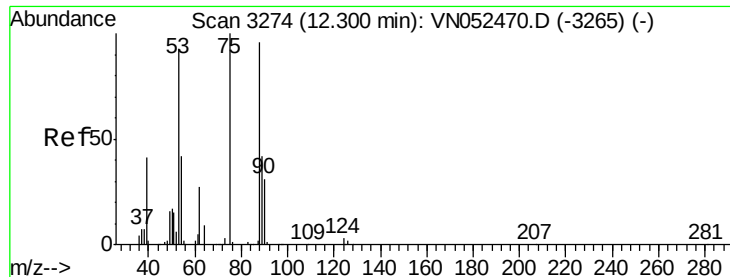
100000

0

12.73

Time--> 12.70 12.80





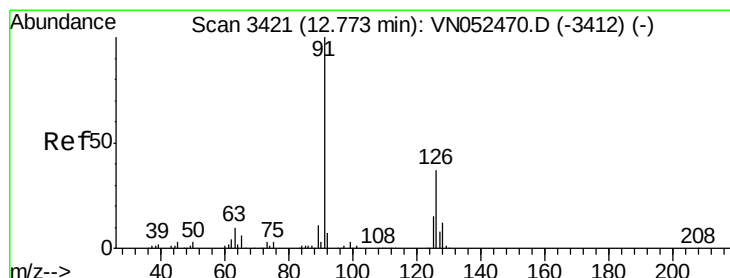
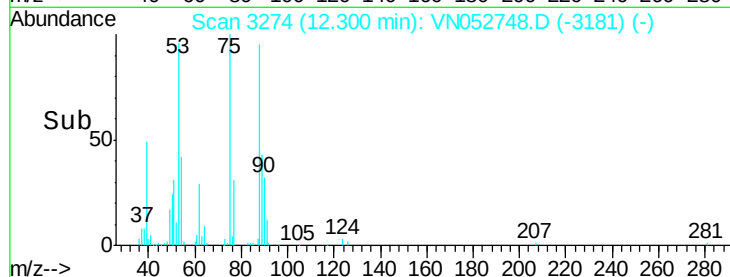
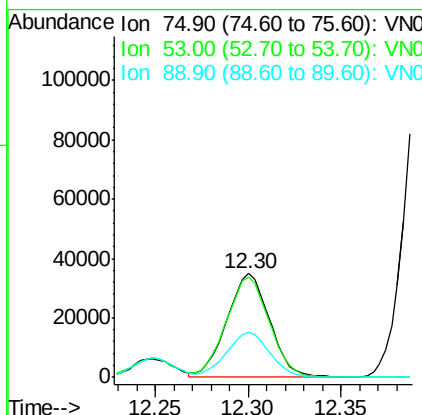
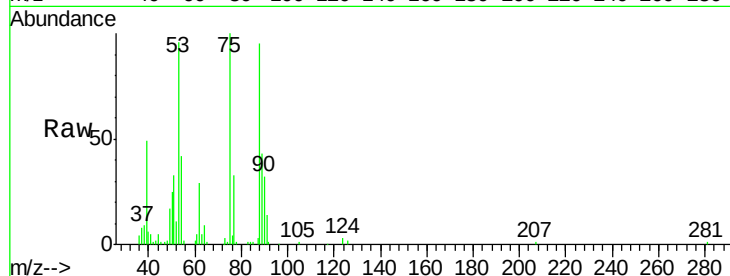
#81
trans-1,4-Dichloro-2-butene
Concen: 19.983 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	77.4	116.0
89	43.9	35.4	53.2

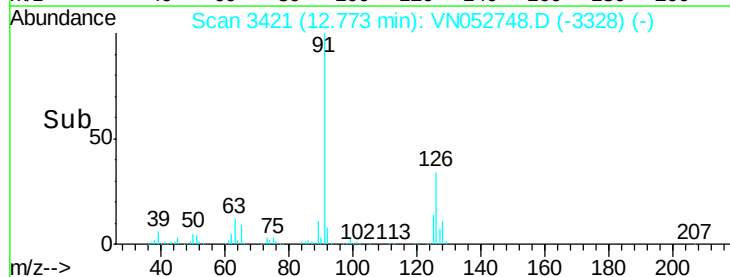
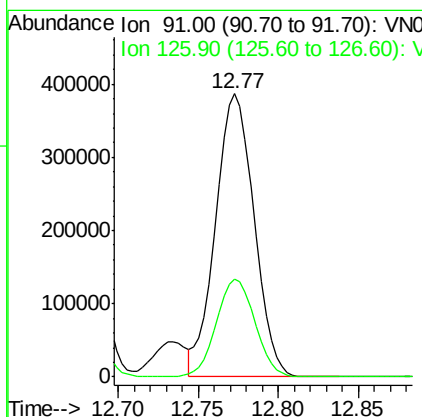
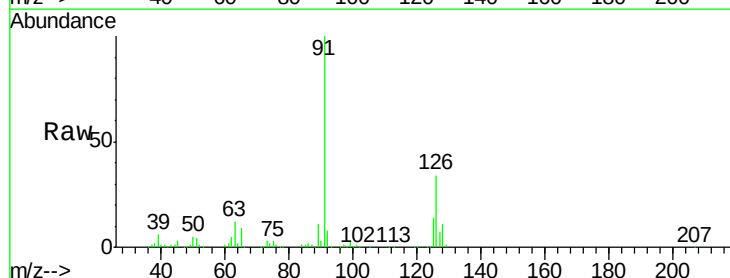
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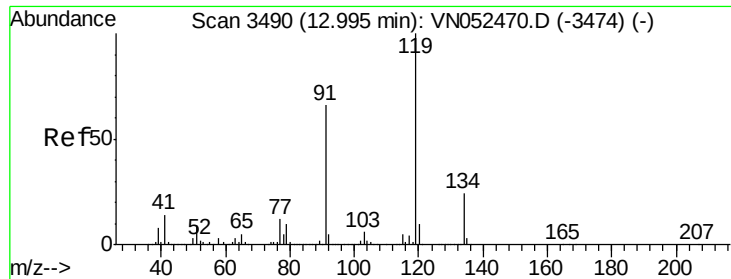
MMDadoda
12/11/2018 12:45:50 PM



#82
4-Chlorotoluene
Concen: 19.543 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.9	50.6





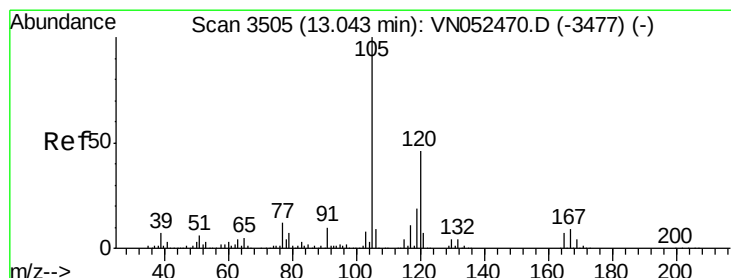
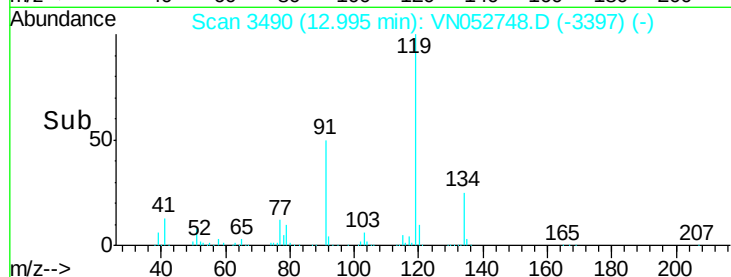
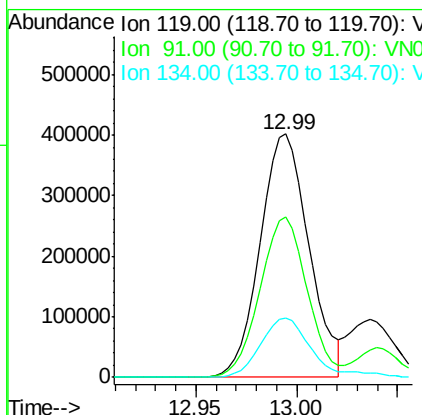
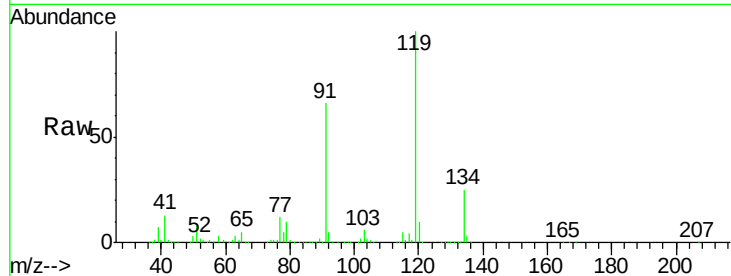
#83
 tert-Butylbenzene
 Concen: 19.931 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.3	96.9
134	25.6	13.0	38.9

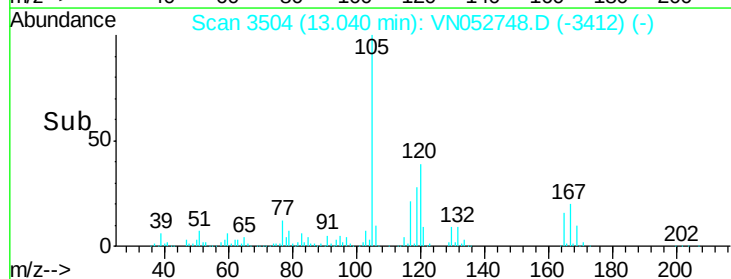
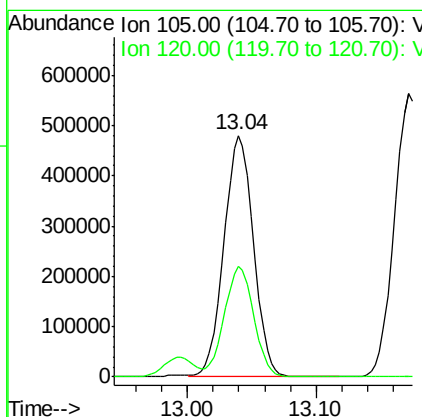
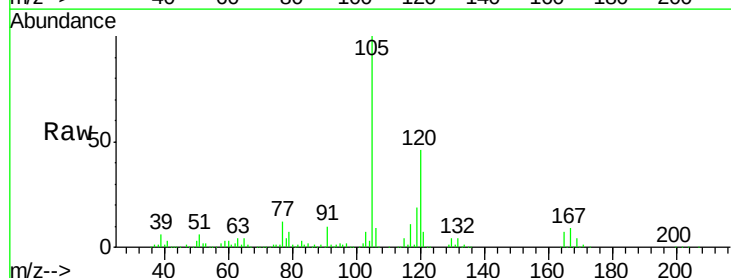
Manual Integrations
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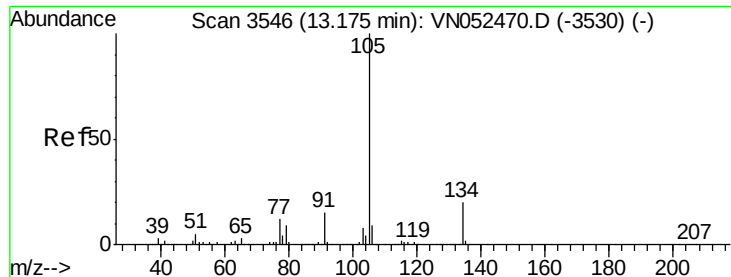
MMDadoda
 12/11/2018 12:45:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.932 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.4





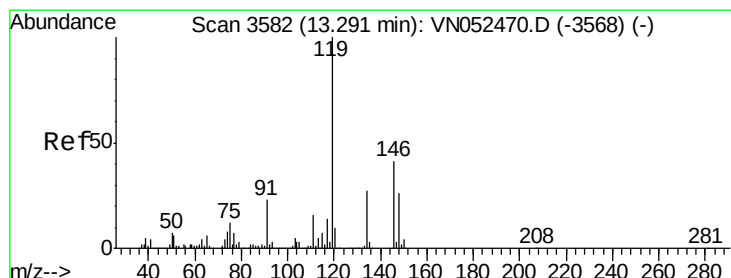
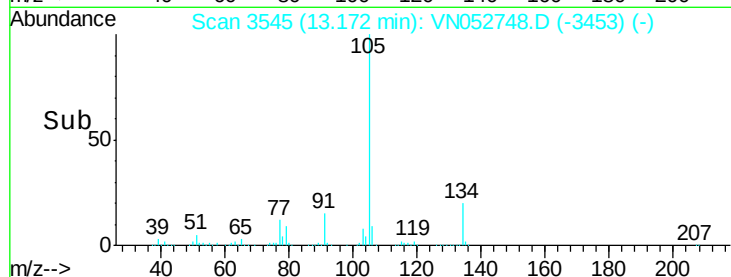
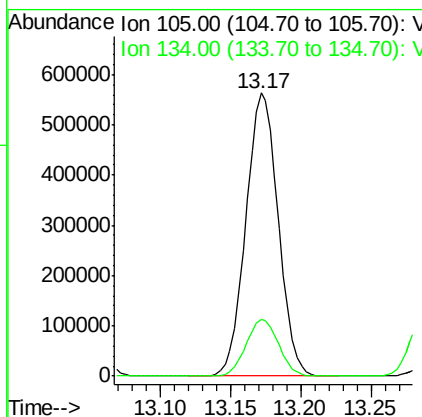
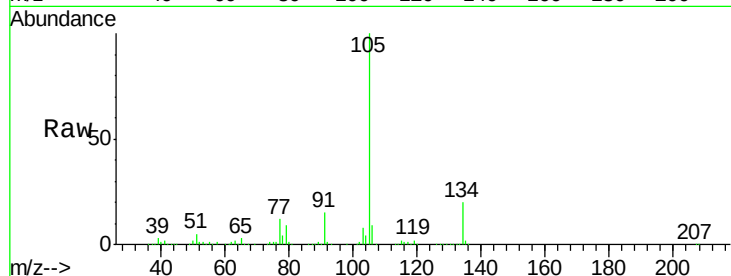
#85
 sec-Butylbenzene
 Concen: 19.558 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	904045		
134	20.2	9.9	29.7	

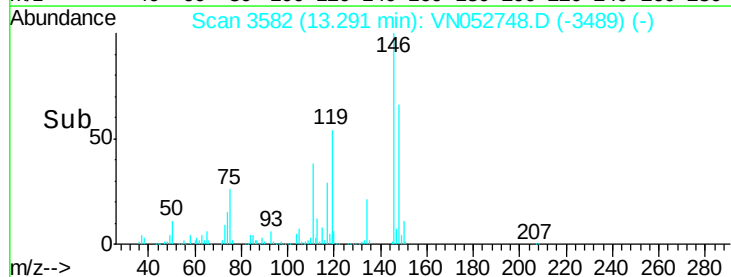
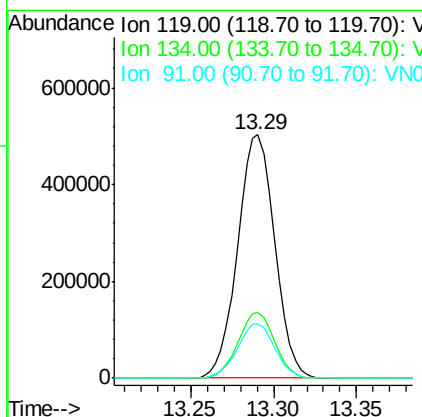
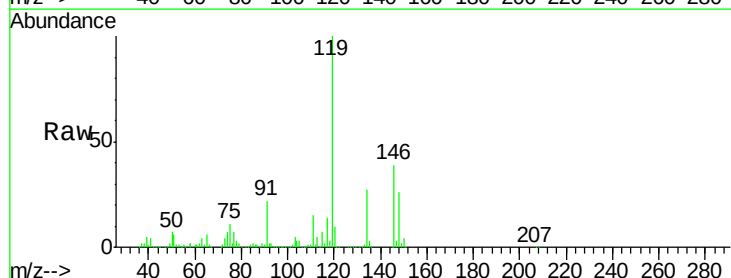
Manual Integrations
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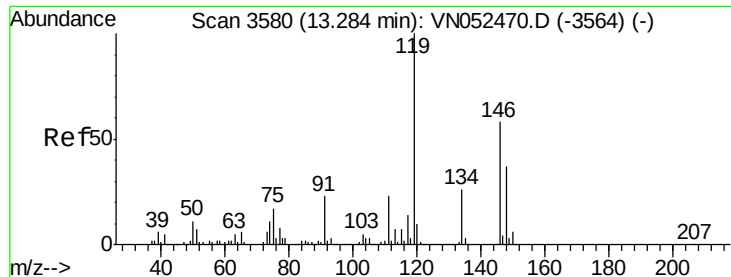
MMDadoda
 12/11/2018 12:45:50 PM



#86
 p-Isopropyltoluene
 Concen: 19.825 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	780487		
134	26.7	13.4	40.2	
91	22.4	11.4	34.2	





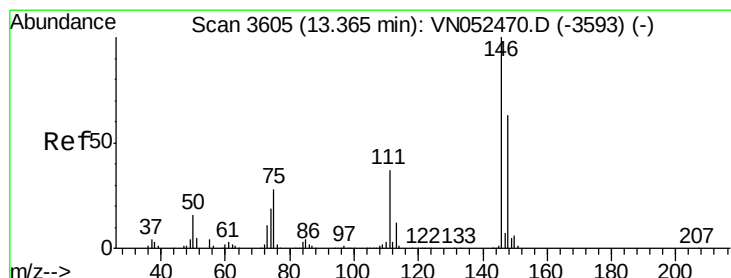
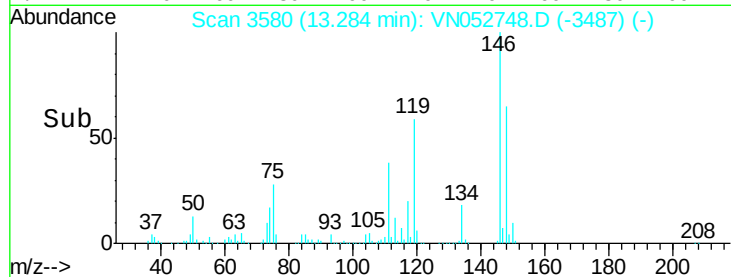
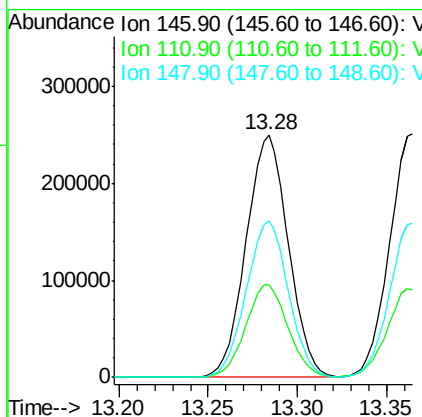
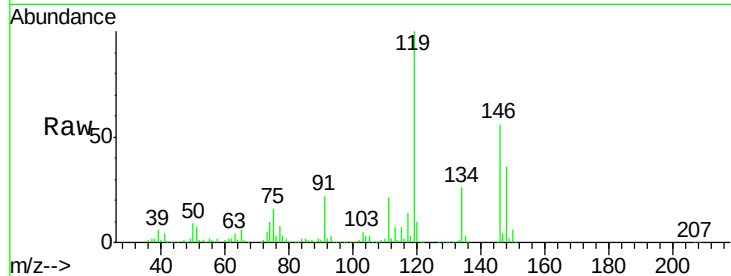
#87
 1,3-Dichlorobenzene
 Concen: 20.045 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.4
148	64.6	31.8	95.4

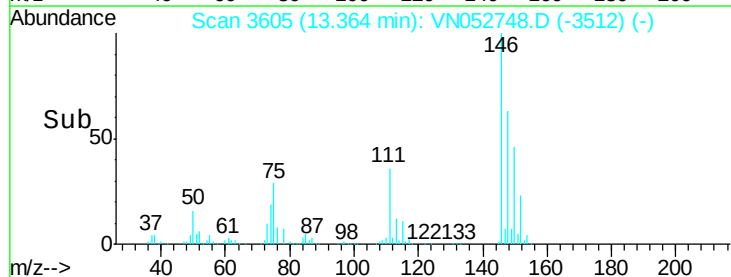
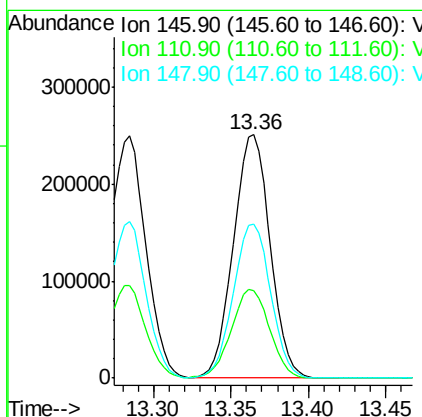
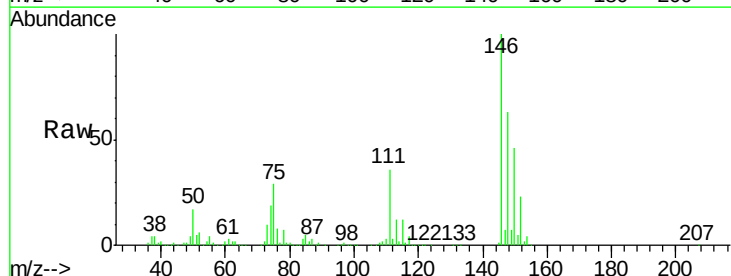
Manual Integrations
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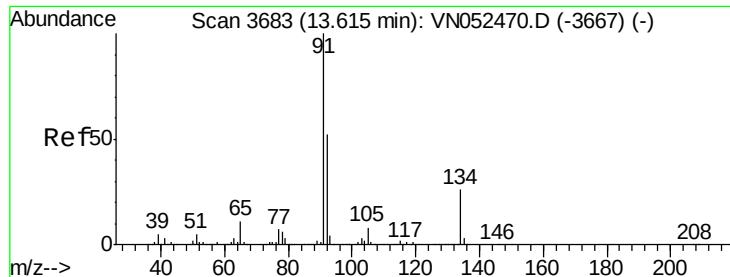
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 12/11/2018 12:45:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	56.0
148	64.4	31.9	95.9





#89

n-Butylbenzene

Concen: 19.820 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Instrument :

MSVOA_N

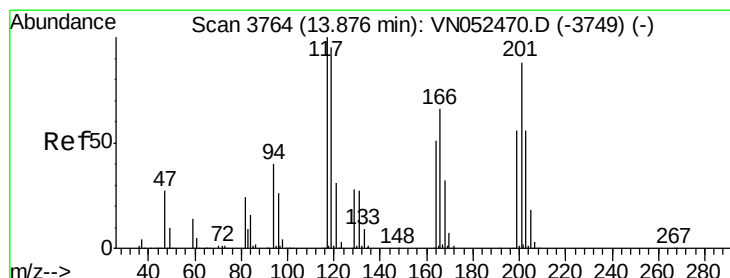
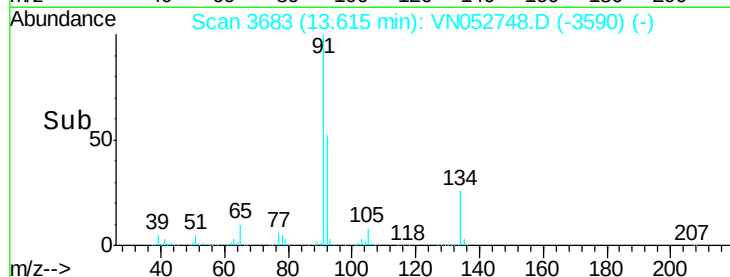
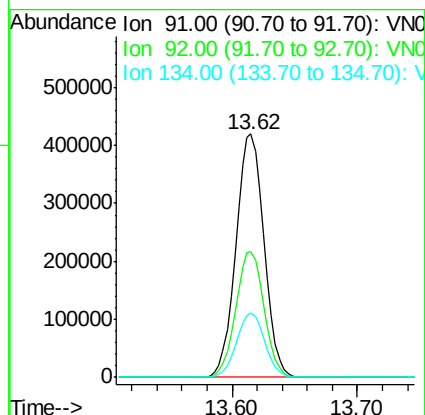
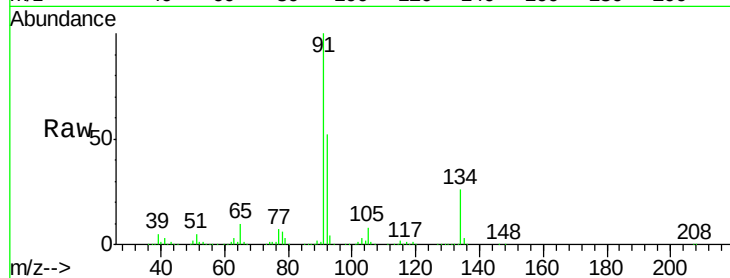
ClientSampleId :

VN1210WBS02

Tot Ion:	91	Resp:	648953
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.3
134	26.4	13.0	38.9

Manual Integrations
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#90

Hexachloroethane

Concen: 19.175 ug/l

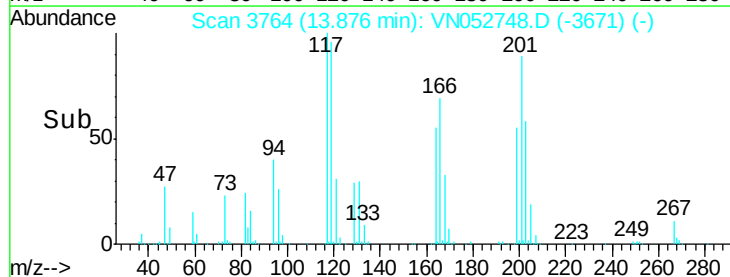
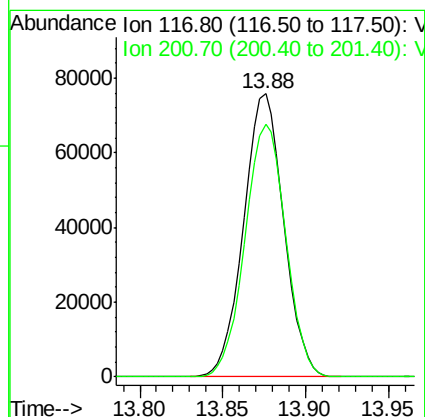
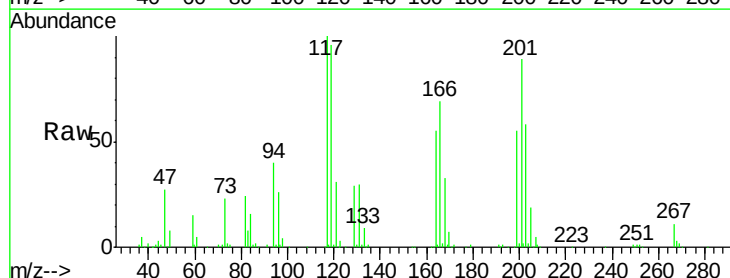
RT: 13.88 min Scan# 3764

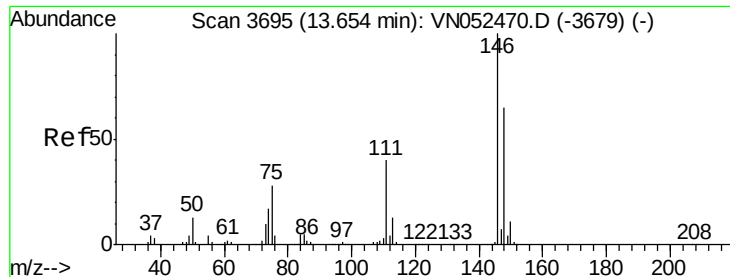
Delta R.T. -0.00 min

Lab File: VN052748.D

Acq: 10 Dec 2018 12:57

Tgt Ion:	117	Resp:	127822
Ion	Ratio	Lower	Upper
117	100		
201	90.7	43.6	130.9





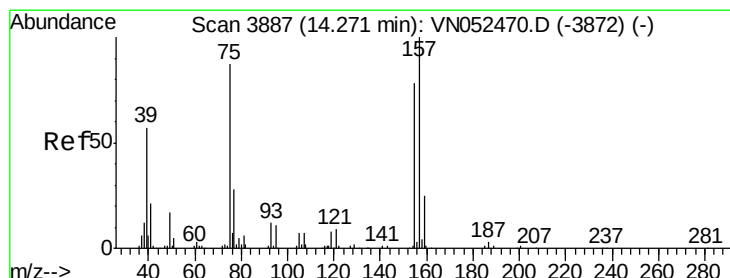
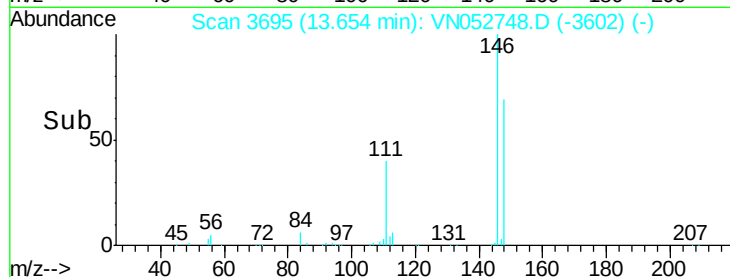
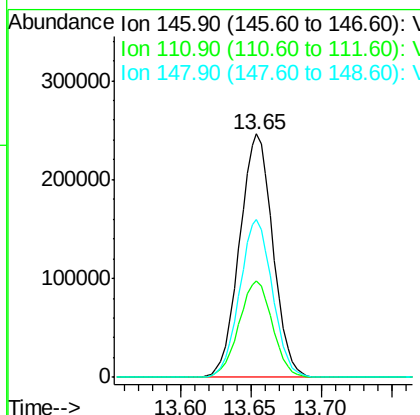
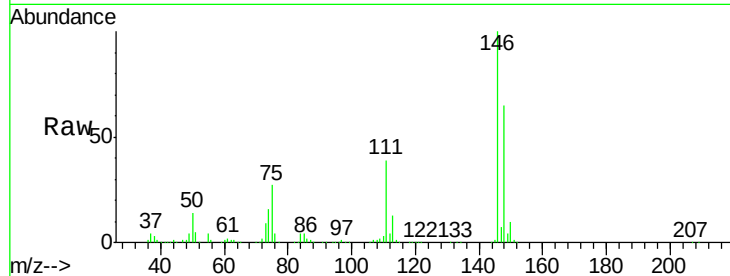
#91
 1,2-Dichlorobenzene
 Concen: 20.607 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.0	32.0	96.2

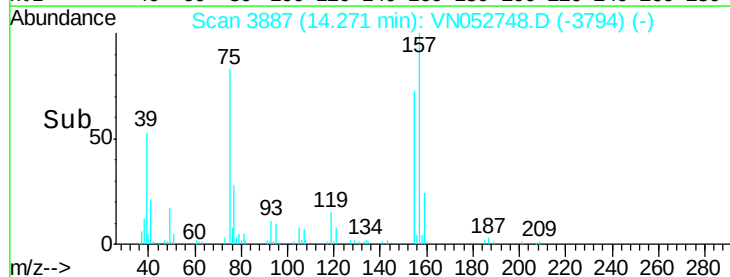
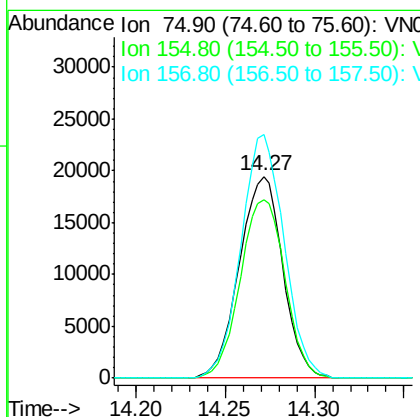
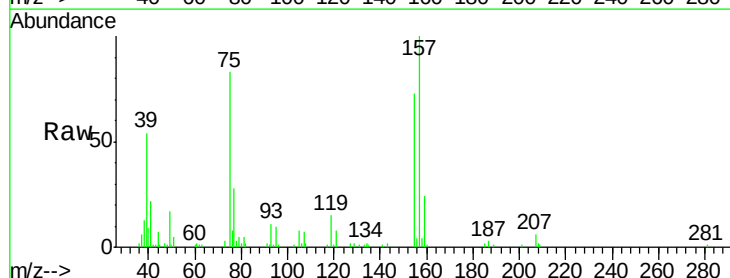
Manual Integrations
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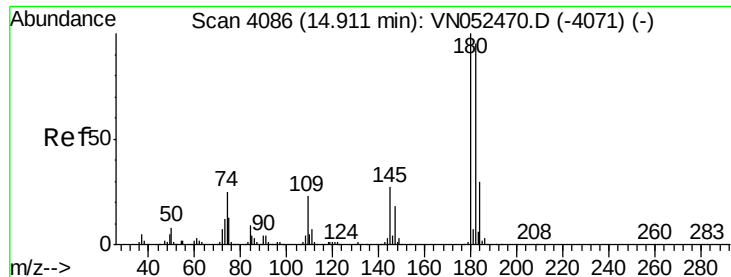
MMDadoda
 12/11/2018 12:45:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.401 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	45.3	135.9
157	119.5	58.1	174.2





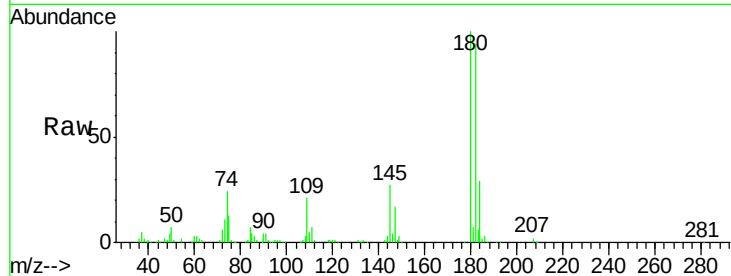
#93
 1,2,4-Trichlorobenzene
 Concen: 22.771 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS02

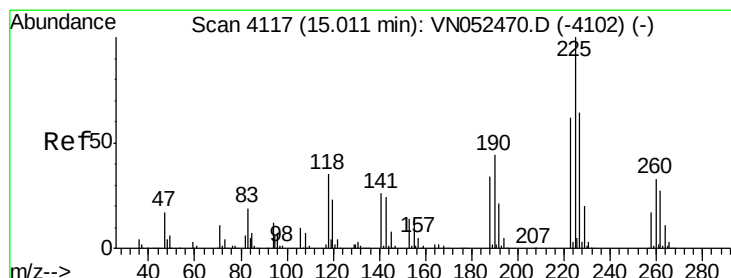
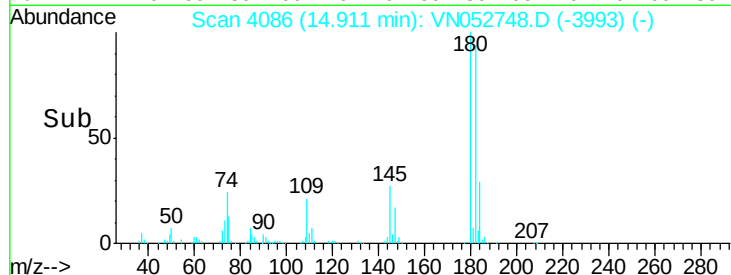
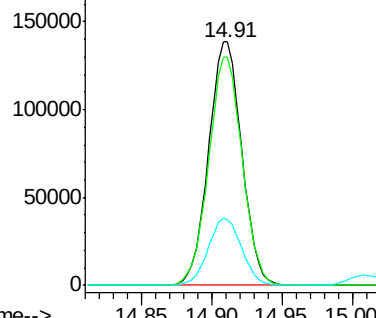
Tot Ion	Ratio	Resp	Lower	Upper
180	100	228300		
182	94.8	47.8	143.4	
145	27.9	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:50 PM

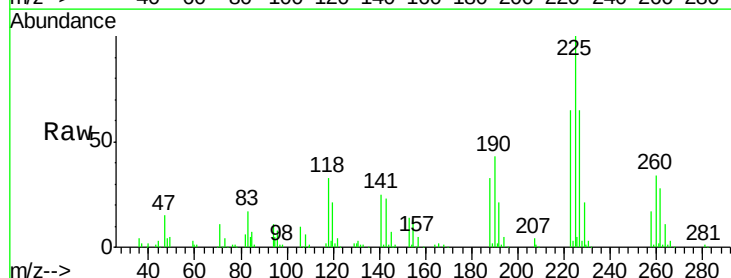


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

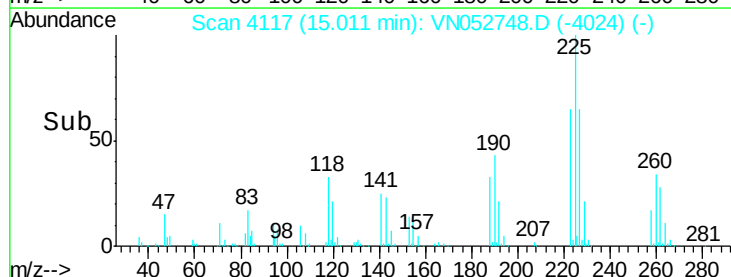
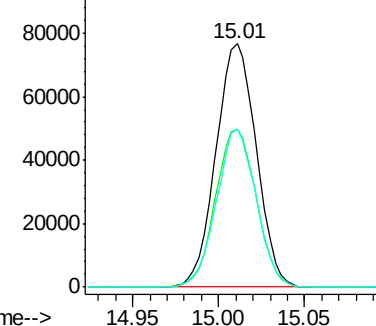


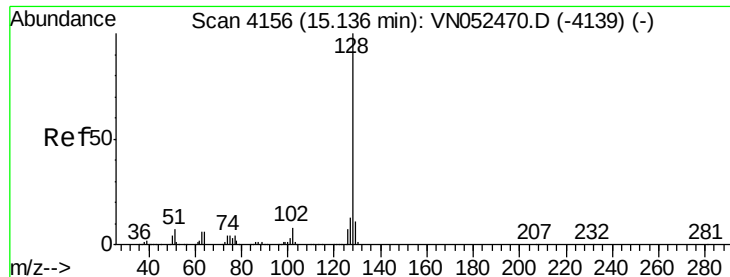
#94
 Hexachlorobutadiene
 Concen: 19.757 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052748.D
 Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125313		
223	65.3	31.4	94.2	
227	63.5	32.5	97.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





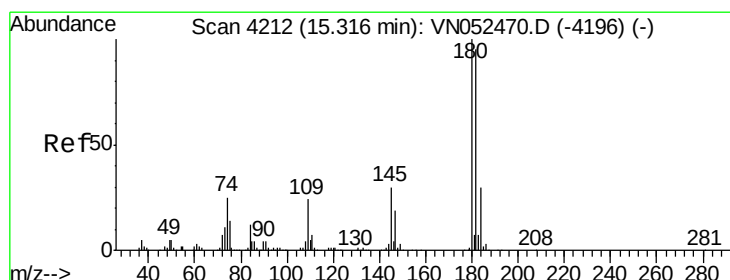
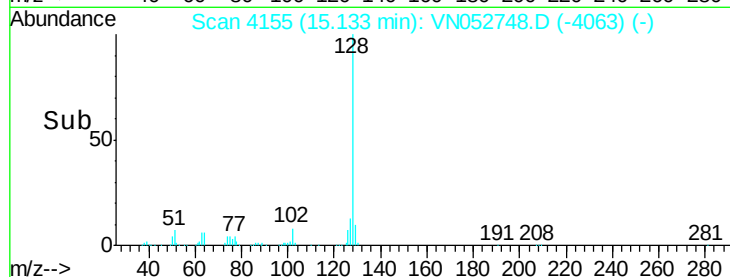
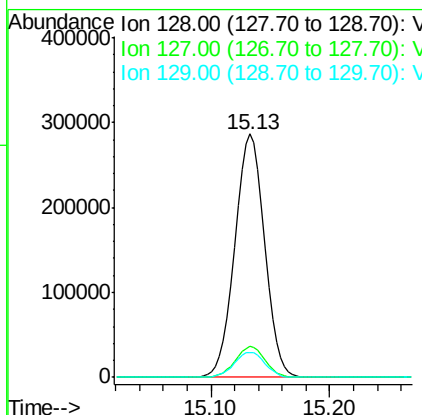
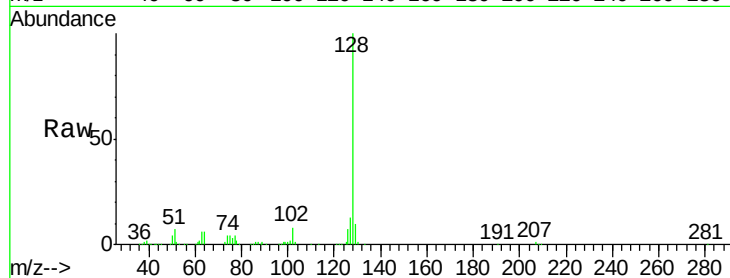
#95
Naphthalene
Concen: 23.587 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	495707		
127	12.6		10.2	15.2
129	10.6		8.7	13.1

Manual Integrations
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12/11/2018 12:45:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 23.195 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052748.D
Acq: 10 Dec 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	214983		
182	94.5		47.8	143.3
145	29.5		15.2	45.5

